HEMIST and DRUGGIST JANUARY 27, 1945

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

ished 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

3390
CXLIII JANUARY 27, 1945 Annual Subscription (with Diary) 25/- Single Copies 9d.

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Sodium Ethyl Mercuri Thiosalicylate

'Merthiolate' is noted for its general applicability in clinical antisepsis. The germicidal action of 'Merthiolate' is prompt and its antiseptic effect is well sustained. Tincture 'Merthiolate' is intended for presurgical disinfection of the skin. Solution 'Merthiolate' is stainless, non-irritating and is intended for general clinical use. 'Merthiolate' is also supplied in ointment, cream, jelly and suppository forms.

P.A.T.A.

ELI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS

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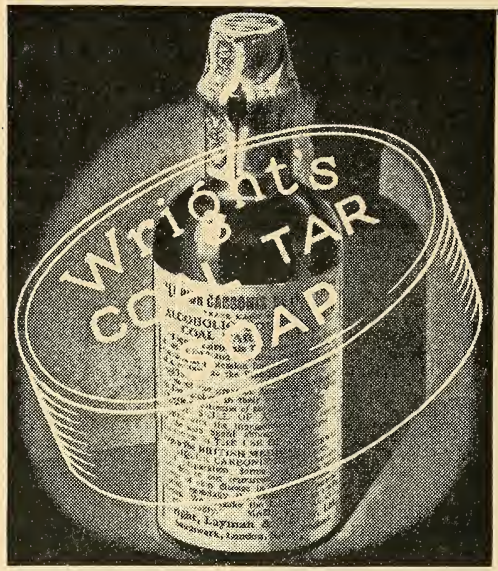

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Standard Parcels of Drops or Capsules only

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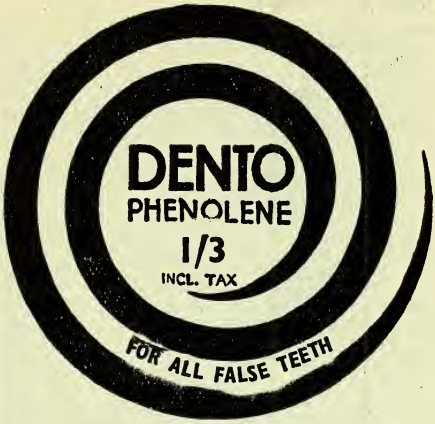

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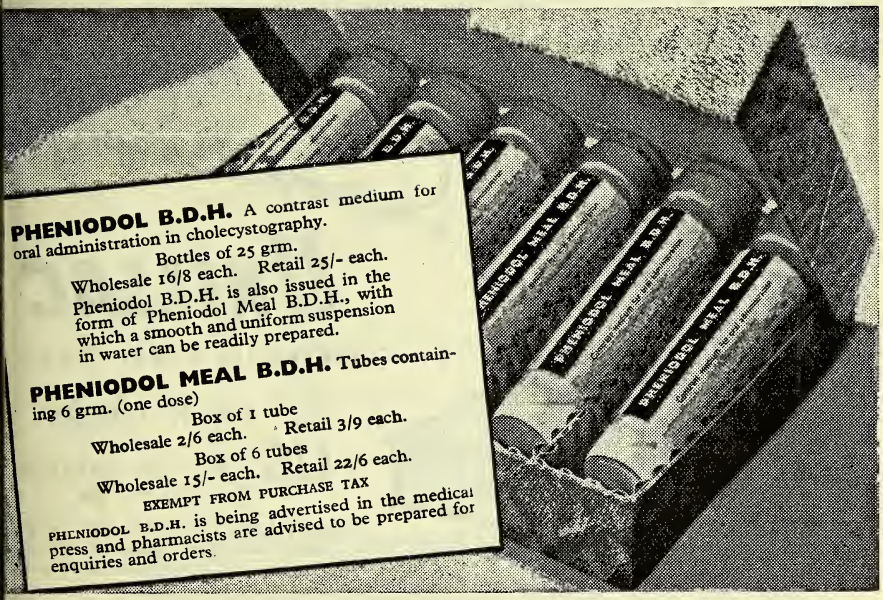

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Good! it's **MASON'S**

EXTRACT OF HERBS

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Output of Saccharin and Aspirin Tablets sold for some months ahead

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A WINTER 'BEST SELLER'

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An excellent formula
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DOUBLE POWER
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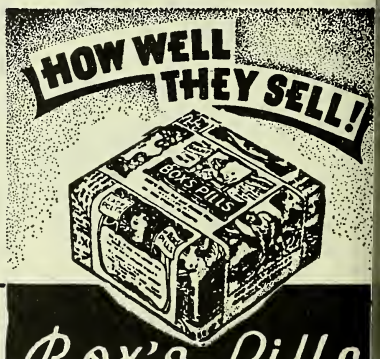

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Mistol with Ephedrine

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DDINE IS AS ESSENTIAL TO PERFECT HEALTH AS ALL THE VITAMINS"

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Please Note

1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.

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3rd. When writing with reference to an order on hand, please give ***exact date*** when sent on.

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Registered Trade Mark

IODISED THROAT TABLETS
FRUIT LAXATIVES
GLYCERINE OF THYMOL
PASTILLES

PASTILLES LOZENGES
TABLETS

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SELLS WELL
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A first class Sleeping Tablet & Sedative

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For best direct parcel terms apply to Distributors

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DERSGATE HOUSE, NEW BARNET, HERTS.

Persom-nia TRADE MARK for insomnia

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Plus Tax **ONE SIXTH**

Retail 2/9

NOTE Reduced Purchase Tax

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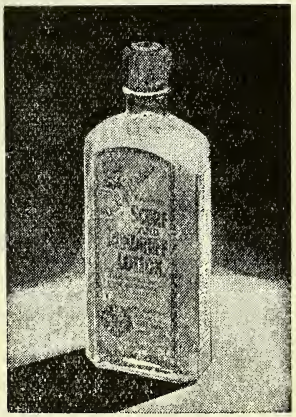

Little and not so often

★ OF COURSE *we would like nothing better than to be able to supply all the Johnson & Johnson products your customers demand. And, while at present we must ask you to manage with what we can supply, we hope for our sake, your sake, and the sake of your customers that the day is not so far away when we shall be able once more to give you the J & J service in full measure.*

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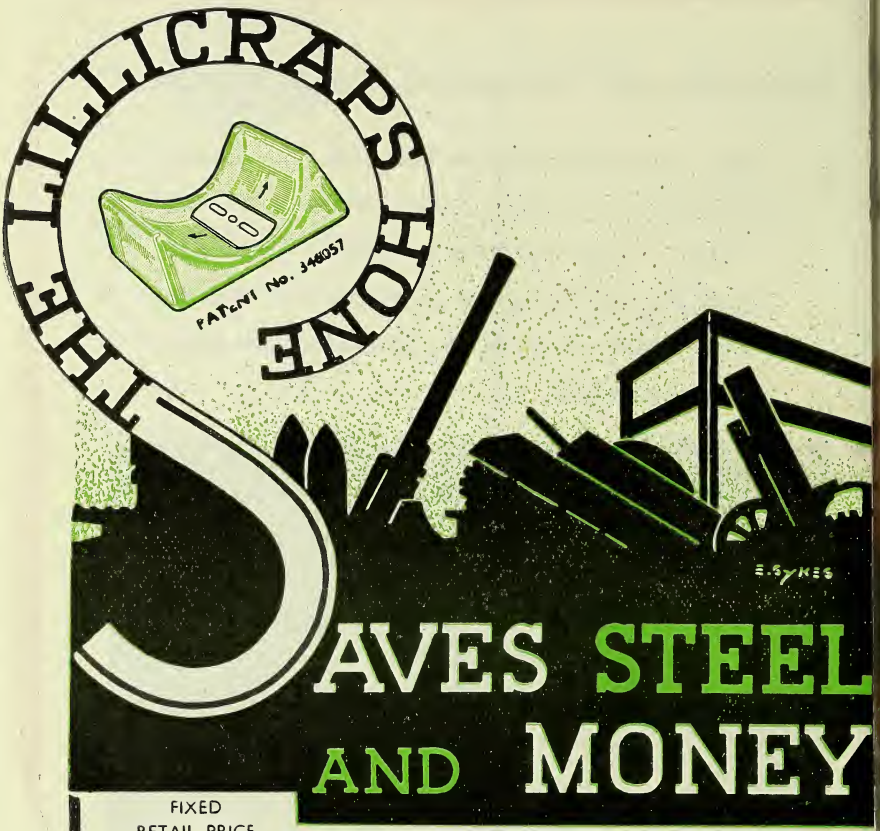

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BY MAKING ONE SAFETY-RAZOR BLADE LAST FOR HUNDREDS OF SHAVES. THESE HONES ARE MADE IN GLASS OF UNIQUE PROPERTIES WITH A SPECIALLY PREPARED SURFACE AND ARE PATENTED THROUGHOUT THE WORLD.

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(DEPT. H.I)

ESTABLISHED 1828

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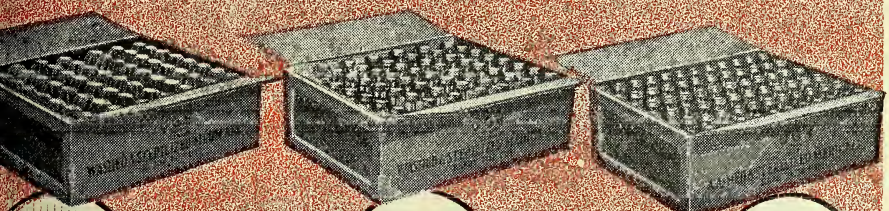

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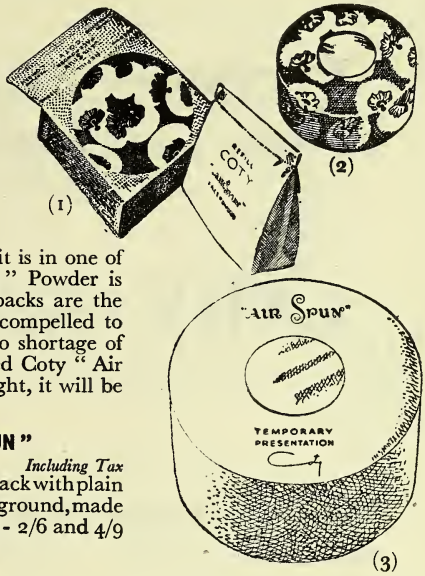

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Leptazol with Ephedrine

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NEWS OF THE WEEK

edical Officers and N.H.S.—The Society edical Officers of Health, in a memoran- analysing the proposals in the White er for a National Health Service, has mmended that the medical and health tions of various Government depart- ts should be brought within one central th ministry, with a cabinet minister as onsible head.

urchase Tax on Teething Rings.—The missioners of Customs and Excise have ded that teething rings and teething ls made of plastic material may be rded as not chargeable with tax. thing rings and teething beads made of y or any other material specified under s 15 of the schedule are liable to tax at rate of 100 per cent. of the wholesale e.

berdeen Pharmaceutical Employees.— meeting of employee pharmacists and stants held in Aberdeen on January 12, as unanimously agreed to form a local ion of the Association of Pharmaceu- l Employees. Mr. George Shewan, M.P.S., was elected *Chairman*, and Mr. John Smith, M.P.S., 13 Bridge Street, Aberdeen, *Secretary*, together with a small committee.

Middle East Imports.—The following goods should be added to the list of articles which remain subject to the Middle East Supply Centre procedure (*C. & D.*, January 20, p. 69): Ipecacuanha and derivatives, cinchona bark and derivatives. It should be noted that existing arrangements whereby certain goods are at present imported into Middle East territories through Government channels are not affected.

Social Evening at Bath.—Bath Branch of the Pharmaceutical Society held a social evening on January 17—the first of its kind since the outbreak of war. Over forty were present, and there was a varied programme of music, conjuring and other items. The occasion was quite informal, but the branch chairman (Mr. A. O. Barton) took the opportunity to say a few words about branch affairs.

Lantern Lecture at Hull.—Hull Chemists' Association and Branch of the Pharmaceutical Society recently met to hear a lecture by Dr. Stanley Kennett, Ph.D. (a member of the staff of Liverpool University), on "Metals and Man." He described the discovery, development, and use of metals and how the art of smelting was discovered. Lantern slides illustrated the lecture. Mr. F. N. Harrison proposed a vote of thanks, which was seconded by Mr. E. B. Mathews. Miss E. Palmer occupied the chair.

Presentation to Birmingham Executive.—On January 13 a presentation was made to Mr. A. S. Lumb, an executive on the staff of Southall Bros. & Barclay (1935), Ltd., Birmingham, who left the company to take up a similar position with W. H. Wilkins, Ltd., Birmingham. Mr. J. A. Hall presided in the absence of Mr. A. T. Hall (managing director), who was unable to be present. Mr. R. E. Howard made the presentation, which consisted of a brief case and a wallet containing treasury notes. Mr. Lumb suitably replied.

Chemists' Friendly Society.—The annual report issued by the directors of the Chemists' Friendly Society records an increasing membership, despite a diminution in the number of applications received. Approximately 1,000 members of the Society are serving with the Forces. Expenditure on sickness, disablement and maternity benefits for the year ended December 31, 1943, was £4,353, against £3,812 in the previous year. The increase was attributed partly to increased membership and partly to a continued rise in sickness benefit owing to war conditions.

Lantern Lecture on Penicillin.—A meeting of the Tunbridge Wells Branch of the Pharmaceutical Society was held on Wednesday, January 17, when an address on "Penicillin" was given by Dr. T. H. Mead. The chairman (Mr. A. S. Smyth) welcomed a capacity audience, which included doctors and nurses. Dr. Mead dealt with international standardisation, inactivators, method of administration, and manufacture. The address was illustrated by lantern slides, and samples of penicillin were available for inspection. At the conclusion of a short discussion, a vote of thanks to the lecturer was proposed by Dr. Houston, Tonbridge.

Prussic Acid Poisonings.—At Solihull, recently, an inquest was held upon a four-year-old child and her father, Dr. T. C. Oakley, Lapworth, who both died from prussic acid poisoning. A post-mortem examination a police surgeon showed that there wa puncture mark on the child's left a indicating that prussic acid had b injected by a hypodermic syringe; father had drunk a quantity of pru acid. A verdict was returned that Oakley had murdered his child and t committed suicide while the balance of mind was disturbed. It was stated that Oakley had had a successful practice Bangkok, Siam, until he had been inter by the Japanese.

Open Verdict at Inquest.—At a resur inquest at Bolton, on January 18, on Ha Walsh, after a postponement for anal of the contents of the stomach and of cert bottles. The house physician at the Bol Royal Infirmary, who carried out a p mortem examination, said he had come the conclusion that death was probably to cyanide poisoning. Evidence was gi by John Strange, M.P.S., 155 Derby Str Bolton, that he had supplied Walsh w various medical needs, such as lotic ointments and blood mixture. He had a helped Walsh to fix up a gold-plating pl at his premises. As Walsh was a crip the plant was placed to be within his re while seated at his bench, and witn had warned Walsh about keeping cyan solution in close proximity to other artic such as teacups. According to the coron officer, the stomach contents showed presence of cyanide equivalent to gr. The coroner said he had come to the c clusion that his verdict must be cyan poisoning self-administered, but with sufficient evidence to show whether it by accident or was premeditated. He wo therefore leave the verdict open.

Conference on Science in Industry Eleven papers and addresses on the r tions of pure and applied science to indus were presented at a two-day conference "The Place of Science in Industry," h under the auspices of the division for social and international relations of scie of the British Association. Sir Rich Gregory, F.R.S. (president), said it undesirable to separate scientists fr other citizens in their social duties a responsibilities. There must be a two-w traffic between scientists and industriali Mr. Ernest Bevin (Minister of Labour) s that science had not merely a place industry but was in fact dominating ind try. In applying science to the ho manufacturing and distributive costs not been low enough to bring modern ap

es within the reach of ordinary people. h changes were throttled by monoistic tendencies and cumbersome protive patent laws, which were even more trictive than tariffs. He declared that the te could and should bear the cost of velopment of scientific studies. Lord Gowan (chairman of Imperial Chemical lustries, Ltd.), who presided at the rnoon session, classified research, as ployed in the chemical industry, into divisions: Process, chemical engineer, speculative, and research into the indus-s served. Professor J. E. C. Dodds, R.S., dealt with "Fundamental Research Chemistry," and Dr. C. J. Darlington, R.S., read a paper on "The Unity and wer of Biology."

Materials for Scientific Photography.—At neeting of the Association for Scientific otography, held in London recently, two pers were read on "The Choice of otographic Materials for Scientific Photophy." Mr. H. Baines, D.Sc., dealt with less well-known of various factors cting the behaviour and consequently choice of emulsions for specific purposes, l said that almost all emulsions showing maximum photographic response had such an intensity of illumination that suitable exposure was of the order of $\frac{1}{25}$ sec. Thus, at low-light intensities, a material that was relatively slow when measured at $\frac{1}{20}$ sec, but had small low-intensity failure, might prove better than a faster material with a high-reciprocity failure. This could be overcome by "latensification," in which a short exposure was given to the emulsion at optimal intensity to enable subsequent low-intensity exposures to act at maximum efficiency. Mr. F. J. Tritton, F.R.I.C., dealt with practical aspects of choosing the most suitable commercially-available emulsion for a variety of processes, approaching his subject under the headings terminology and classification; photomicrography; photography as a standardising technique; photography in physical methods of chemical analysis; photography as a quantitative measuring-instrument; photography in recording instruments; and colour and photography for reproduction. He emphasised the importance of halation and irradiation. Mr. McV. Weston urged photographic manufacturers to publish more detailed curves showing the properties of their materials.

PARLIAMENTARY NEWS

Rubber Teats for Gosport.—The President the Board of Trade (Mr. Dalton) stated January 16 that he had arranged for litional supplies of teats and valves to be t to Gosport.

Manufacture of an Antiseptic.—The Minis- of Health was asked on January 18 ether he was aware that an application de on March 30, 1943, to the Directorate Medical Supplies for materials and ipment for increased production of a new iseptic had been referred to his Depart-nt and refused on the grounds that the iseptic for which the equipment was uired was not essential for medical pur-es; that further applications on May 5, 4, and October 28, 1944, had been ilarly refused; and whether, since eral London hospitals had investigated product and were using it to their isfaction, he would review his decision the matter. Mr. H. Willink, in a written ly, stated that the substance of the vice given by his Department to the nistry of Supply had been that there was sufficient evidence to substantiate the ims made for the preparation, and it was ggested that the applicants should be asked for full evidence, consisting of published statements by the persons who had carried out tests, and that the evidence should be accompanied by samples. He understood that this advice had been communicated to the firm concerned, whose application would be again considered when the requisite evidence was forthcoming.

Export Trade.—Mr. Higgs asked the Secretary to the Overseas Trade Department on January 16 to what extent the export merchants who conducted the main export trade of this country had been brought into active discussion on trading necessities associated with post-war export. Mr. H. Johnstone, replying, said that in addition to discussions with a large number of individual merchants and merchant-bankers, many meetings connected with post-war trade had taken place between his Department and export groups, a number of which included merchants among their members. The consultative committee which advised his Department on its future practice and procedure included a merchant among its members, and he had invited a merchant to join the Overseas Trade Development Council.

TRADE NOTES

Sulphanilamide and Sulphathiazole Cream.—The Drug Tariff price of this preparation will be 8s. 6d. per doz. 1-oz. tubes and not as stated in a Trade Note last week.

Enema Syringes.—A range of four qualities of enema syringes, neatly labelled and each wrapped in transparent tissue, is offered under the trade name Certor by James Macdonald, Dawson Street, Greengate, Salford, 3.

Flower Oils.—Polak & Schwarz (England), Ltd., 50 Great Cambridge Road, Enfield, Middlesex, suggest that the time is drawing near when authentic perfumes, flower oils, and essences will again be available, and recommend buyers to get in touch with the company for the latest market intelligence.

Treatment of Constipation.—As a means of restoring normal regularity of bowel action, Musterole Fine Products Co., Ltd. (agents, Thos. Christy & Co., Ltd., Brookside Works, Hale, Farnham, Surrey), draw attention to M.O. magnesia oil, an antacid as well as a laxative. Details of packs and prices were given in a recent announcement.

Available for Prompt Supply.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, point out that all reasonable orders for Panflavin and Bayer aspirin can be executed promptly from stock, and that limited supplies of show material are also available. Both products are made in England and are on the Proprietary Articles Trade Association list.

Price List.—Subscribers are notified that a few copies are still available of the new price list issued by Burroughs Wellcome & Co., 12 Red Lion Square, London, W.C.1, and pharmacists who have not already done so are advised to make early application, enclosing a penny stamp to conform with the paper-control regulations. The edition is alphabetically arranged, with copious cross-references.

Photographic Competition Prizewinners.—The following were awarded prizes in a photographic competition organised by Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, Hendon, London, N.W.4, in November 1944:—

First (£5 each), Mr. P. Acomb, 52 Bishopthorpe Road, York, and Mr. R. Ernest Scott, 2 Mourne Villas, Strabane, N. Ireland. *Second* (£2 each), Mr. Ll. E. Morgan, Merton, Ystradgynlais, Swansea, Mr. F. Callon, Upholland College, nr. Wig Lancs, and Mr. W. Ross, 79 War Gardens, Lisburn, Antrim. There w also ten third prizes (£1 each), twe fourth prizes (10s. each), and twenty- consolation prizes.

Business Changes

ARBROATH CO-OPERATIVE SOCIETY, L has acquired the pharmaceutical busi of Mr. James Jack, Ph.C., 102 High Str Arbroath.

H. FRISCHMANN, import and exp merchant, removed on January 15 to 62 Fenchurch Street, London, E.C.3. T phone: Royal 1878. [Corrected note.]

ASCOTTS PHARMACIES (1933), LTD., h purchased the pharmaceutical business the late Mr. Harry E. Matthews, Ltd. Millbrook Place, Mornington Crescent, L don, N.W.1.

RETAIL LICENCE APPLICATION.—Ch tina McCutcheon, 4 Annfield Place, Glasg to continue, at 16 West Nile Street, Glasg a business previously carried on by Da McCutcheon (trading as T. F. Thomps in drugs, medicines, surgical supplies a sundries, etc.

Proprietary Articles Trade Associati

Additions to Protected List.—*Bourjois, L* Compact rouge, No. 9045 (rosette brun), 1 dox., tax 12s. doz., inclusive retail price 2s.

Chesebrough Manufacturing Co., Ltd., Vasel hair tonic, 13s. 6d. doz., tax 13s. 6d. d i.r.p. 2s. 7½d.; Vaseline soapless shamp 2s. 8d. doz., tax 11d. doz., i.r.p. 5d.

Jeyes' Laboratories, Ltd., Cyllin-M, 5- 13s. 9d. doz., tax 2s. 3d. doz., i.r.p. 1s. 8 10-oz., 18s. doz., tax 2s. 11d. doz., i.r.p. 2s. 1 The article formerly known as Cyllin-medi has hitherto appeared in the protected list un Jeyes' Sanitary Compounds Co., Ltd.

Lanalol, Ltd., Lanalol hair food, No. 1 (oil 4-oz., 22s. 6d. doz., tax 22s. 6d. doz., i.r 4s. 4½d.; No. 2 (spirit), 4-oz., 22s. 6d. d tax 22s. 6d. doz., i.r.p. 4s. 4½d.; 5-oz. (p solidified, 22s. 6d. doz., tax 22s. 6d. doz., i.r 4s. 4½d.; Lanalol hair cream, 6-oz., 22s. doz., tax 22s. 6d. doz., i.r.p. 4s. 4½d.; liq shampoo (soap), 22s. 6d. doz., tax 7s. 6d. d i.r.p. 3s. 1½d.

Monsol, Ltd., Monsola nasal spray, 16s. d tax 2s. 8d. doz., i.r.p. 2s. 3d.

Alterations.—*Wright, Layman & Umn Ltd.*, Wright's malt extract with cod-liver 1-lb., 2s. 3d., 19s. 6d. doz.; 2-lb., 4s. 3d., 3 doz. (exempt from tax). Wright's malt extr with cod-liver oil and iron, 1-lb., 20s., t one-sixth, i.r.p. 2s. 6d.; 2-lb., 38s. 3d., t one-sixth, i.r.p. 4s. 9d.

TOPICAL REFLECTIONS

ustrial Design

he subject of industrial design has in come into the news with the announce- nt that the central Council of Industrial ign, appointed by the President of the rd of Trade, has held its inaugural ting (pp. 53, 67). In view of the variety goods sold in pharmacies, this matter cerns their proprietors in the same way t concerns other traders. Its importance ds no demonstration. On the present asion I may take a general view of it by mpting to answer two questions: Who uld do the designing? And for whom uld it be done? First, then, where shall gners be obtained and how shall they launched? A satisfactory answer is not ly found. Art schools flourish, no doubt, over the country; but is their teaching type likely to lead to the kind of result t enlightened industrialists are looking Again, what is the relation of crafts- nship to style? It is one thing to see t pupils attain a passable standard in nipulative materials of one kind or ther: it is a different thing to imbue m with a sense and a command of style. obtain the latter result teachers of a cial order are needed. Are they forth- ning in a sufficient number? And how will the training of students in this cialised vocation take? If the interval ween the inception of the scheme and realisation in terms of goods sold and vered is too prolonged, it is clear that the post-war world of competition tish export trade may lag far behind that ner competitors.

le and Public Taste

he second question, that of the people whom designing is to be done, is more nplex. Seldom, I suppose, does an ginal design take shape in the mind of a nber of the shopping public. Normally or she buys what is on sale in shops hout thought, or with only a passing ught, of its stylistic merits. It is difficult magine any article of commerce so ugly to repel every prospective purchaser: common watchword is utility (though in the war-time sense), and utility weighs, for the great majority of shop- s, a dozen defects. From the public we end—or should it be descend?—to the desman: when ordering from the nufacturer or wholesaler he may be posed to have an idea, if not a very inite one, of what will recommend itself on his counter and in his window by its appearance. To the extent to which he refuses goods that are obviously clumsy in style or finish, we may say that he has taste, and that his taste is a factor in educating the public in the same direction—in other words, in forming public taste. Here, I think, we get a clue. Manufacturers may be imposed upon by enterprising stylists: they may be persuaded into putting on the market something that is eccentric or blatant. Retailers have a part to play in discriminating against such goods. In doing so they are maintaining a high standard in their own shops, and are limiting the circulation of the second-rate. The argument that if pharmacists decline to promote the sale of inferior goods, someone else will take them up is not worth serious discussion; for pharmacists have their reputation to sustain, individually and collectively.

Antacids

About fifty years ago I was present when a fashionable West End physician went into a pharmacy where he was well known and called for a draught consisting of a drachm of sodium bicarbonate in distilled water. Your editorial comment headed "Hyper-acidity" (p. 68) reminded me of that incident, and led to the deduction that a West End physician of the present day would probably prescribe for himself on different lines. Every book of formulas discloses varying ideas on the neutralisation of excess acid in the system. Several powders and a few tablets ring the changes on the time-honoured alkalis, sometimes with the imprimatur of a physician, titled or otherwise. In this section some time ago attention was called to the danger of alkalosis arising from indiscriminate ingestion of such substances: I may perhaps repeat that the risk is a serious one. The present French Codex contains a compound alkaline powder composed of bicarbonate, phosphate and sulphate of sodium; and compound kaolin powders have their adherents. My experience with magnesium trisilicate is very satisfactory; I am glad to see that you have given prominence to this remedy. Perhaps some pharmacologist can tell us how it compares with kaolin, especially in secondary effects, and whether any advantage would be gained by combining the two. When occasion arises, a word of caution against heavy doses of alkalis may be timely.

Xrayser

DEATHS

BLOODWORTH.—On December 20, 1944, Mr. Frederick William Bloodworth, M.P.S., 16 Avenue H, Royal Arsenal, Woolwich, London, S.E.18, aged fifty-seven.

COATES.—On January 2, Mr. Henry Coates, M.P.S., 18 London Road, Camberley, Surrey, aged seventy.

HARKNESS.—On December 27, 1944, Mr. George Beck Harkness, M.P.S., 97 Canterbury Road, Margate, aged sixty-four.

HOUFTON.—On January 6, Mr. Arthur Ellis Houfton, The Bungalow, Clifford Moor, Boston Spa, Yorkshire, aged seventy-eight. Mr. Houfton qualified as a chemist and druggist in 1889.

HAXTON.—On December 19, 1944, Mr. Clifford Spencer Haxton, M.P.S., Warebarrow, Mill Lane, Wareham, Dorset. Mr. Haxton qualified in 1915.

INNES.—On December 30, 1944, Mr. Alexander Innes, M.P.S., 207 Langlands Road, Glasgow, aged sixty-one.

JENKINS.—On December 21, 1944, Mr. Owen John Jenkins, M.P.S., 372 Cowbridge Road, Cardiff, aged seventy-nine.

LEGG.—Suddenly, on January 14, Mr. A. E. Legg, for fifteen years a representative of Edward Taylor, Ltd., medical and surgical plaster manufacturers, Monton, Lancs. He had not been in good health for some time, but was able to carry on and was working up to the previous Friday. He will be remembered by numerous friends among hospital and wholesale staffs in London and Home Counties, the South-east Counties, East Anglia and Wales. The funeral took place on January 19 at Marylebone Borough Cemetery, East End Road, Finchley, London.

LESCHER.—At 53 Cambridge Road, Southport, on January 3, Mrs. Ella Mary Lescher, widow of the late Mr. T. Edward Lescher, O.B.E., M.P.S., a former chairman of the British Pharmaceutical Conference.

LITTLE.—On December 25, 1944, Mr. Thomas Little, M.P.S., 114 Coventry Street, Kidderminster, aged seventy-three.

MCNAB.—On December 29, 1944, Mr. Leonard McNab, M.P.S., 13 Beechwood Gardens, Ilford, Essex, aged sixty-three.

MCMULLAN.—At Stoneleigh, Bangor, co. Down, on January 20, Sir Thomas McMullan, D.L. Sir Thomas McMullan was the representative of the wholesale drug trade on the Council of the Pharmaceutical Society, Northern Ireland, and a chairman of Thomas McMullan & Co., Ltd., Belfa a company founded eighty years ago his father. He took an active interest Northern Ireland pharmacy, particula at the time when the Pharmacy Bill w going through Parliament in 1925, and became a member of the Council of t Pharmaceutical Society of Northern Irela (appointed by the Ministry of Home Affa as representative of the wholesale trad upon its inception in that year. Some ye ago he presented the McMullan golf c to be competed for annually by chemis When this was won outright he present another for competition. He was also past-president of the Irish Bowling Assoc tion. One of the original members of t Northern Ireland Parliament, he sat as Unionist for county Down until 1929, wh he retired. For many years he was prominent figure in the Ulster Union Council and North Down Association. I was a past-president of the Ulster Refor Club and also of the old Ulster Liber Unionist Association. He was also a mem ber of the Union Club, the Royal Ulst Yacht Club and the Royal County Dow Golf Club. For three years in successi he was president of the Wholesale Me chants' and Manufacturers' Associatio For many years he was a member of t Belfast Harbour Board, serving on t Works, Traffic and Navigation, Law an Salaries and Wages Committees. He r ceived a knighthood in 1929. When t Bangor Horticultural Society was form Sir Thomas was elected its president, an he held the office for many years. He w a co-opted member of the Belfast Librarie Museum and Art Committee as represent tive of the Belfast Art Society, of which I was a former vice-president. In 1939 he w appointed Deputy Lieutenant for coun Down, and in 1943 was elected preside of the Belfast Chamber of Commerce. H was an elder of First Bangor Presbyteria Church. Sir Thomas was predeceased b his wife, whom he married in 1892. H son, Mr. Victor McMullan, is a director i the company, which, under an agreeme reached in 1935, is controlled by Sanger Ltd., London.

MANGION.—Recently, Mr. Joseph Man gion, M.P.S., 90 Cumberland Street, Hul Mr. Mangion qualified in 1904.

MARTIN.—On January 3, Mr. Willia Herbert Martin, M.P.S., 14 Mayes Roa Wood Green, London, N.22. Mr. Marti qualified in 1893.

Mortimer.—On December 25, 1944, Mr. hn Hamilton Mortimer, M.P.S., Burro-ood, The Parade, Epsom, aged sixty-eight.

Warwick.—Suddenly, at his residence, 20 pper Baggot Street, Dublin, on January 14, Mr. David Warwick, M.P.S.I., aged fifty-nine. Mr. Warwick was a native of Parkgate, co. Antrim, and began his pharmaceutical career as an apprentice with the late Mr. James Tate, Ph.C., Belfast, later serving as an assistant with the late Mr. Kennedy, Ph.C., Holywood, co. Down.

ter passing the Assistants' examination in 05, Mr. Warwick joined Mr. W. F. Wells 20 Upper Baggot Street, Dublin, and alified as a Licentiate of the Pharmaceuti-l Society in 1908. Some ten years later he nt into partnership with Mr. Wells, and 1926 acquired the business, which he rried on until the time of his death. From 16 to 1921 and from 1942 onwards Mr. arwick was an examiner in pharmacy to e Pharmaceutical Society of Ireland. He rved for many years on the Council of the ciety, occupying the offices of vice-esident, 1933–34, and president, 1934–35. uring his year as president he returned to s native North to represent the Phar-aceutical Society of Ireland at the British harmaceutical Conference held in Belfast 1935. For many years he had been the icial dispenser to the Royal City of ublin Hospital, and was a Peace Com-ssioner of Eire. He is survived by his dow (the youngest daughter of the late r. W. F. Wells) and three daughters. In asonic circles he took an active part in rthering the Order's benevolent work, rticularly in connexion with the widows d orphans' institutions. He was an Elder the Adelaide Road Presbyterian Church, here the funeral service was held. The terment subsequently at Mount Jerome emetery was attended by many prominent ublin pharmacists.

White.—On December 20, 1944, Mr. ank White, M.P.S., 26 Sidwell Street, xeter. Mr. White qualified in 1890.

Wright.—Recently, Mr. F. A. J. P. Vright, a director of Herbert Fromm, Ltd.,) Oxford Street, London, W.1.

BIRTH

Todd.—At 5 Dundas Crescent, Eskbank, Midlothian, on January 15, Jessie, the wife of Barclay Todd, M.P.S., of a son.

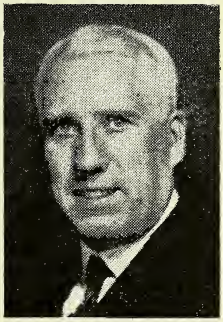
PERSONALITIES

Flight-Lieutenant Ray Dixon Stebbings, M.P.S., formerly of Market Harborough, is reported missing after an operational flight over Germany.

Mr. Richard Clitherow, M.P.S., a city councillor for the Fairfield Ward of Liverpool, has been adopted as prospective Parliamentary (Labour) candidate for the Edge Hill division of Liverpool.

Mr. E. J. Willis, M.P.S., has resigned his post with Pharmaceutical Specialities (May & Baker), Ltd., to take up an appointment as overseas manager to Herts Pharmaceuticals, Ltd., Welwyn Garden City.

Mr. Robert Peck (managing director, May, Roberts & Co., Ltd.), who was elected president of the Proprietary Articles Trade Association at a meeting of the Council on January 11, has been for several years a member of the wholesale section of the council and of its executive committee, and, for the past three years, a vice-president of the Association. Mr. Peck has been associated with Messrs. May, Roberts for forty-two years, and is also chairman of May, Roberts (Ireland), Ltd., and a director of Sangers, Ltd., and John Thompson (Wholesale Druggists, 1921), Ltd., Liverpool. He is a member of the council, and the treasurer, of the Chemists' Friends Association, treasurer of the National Pharmaceutical Union War Distress Fund, a member of the Drug Trade Council, secretary of the Wholesale Druggists' Sundries and Proprietaries Association, and he also represents his company on groups 1 and 2 of the Wholesale Drug Trade Association. Mr. Peck's long connexion with the P.A.T.A., and his wide knowledge of the wholesale trade, are supplemented by an appreciation of the manufacturers' side of the proprietary business, and a sympathetic understanding of the many problems of retail members of the Association.



COMPANY NEWS

HAYLAND-HEARTY, LTD. (P.C.).—Capital £100. Chemists, druggists, etc. Philip L. Davis, director. R.O.: Hope Chambers, Vicar Road, Leeds, 2.

ASCOTTS DRUG STORES, LTD. (P.C.).—Capital £100. Retail druggists, dealers in beauty preparations, etc. Directors not named. Solicitors: Forsyte, Kerman & Phillips, 44 Brook Street, London, W.1.

ALFRED EVA & SON, LTD. (P.C.).—Capital £10,000. Carton manufacturers and manufacturers of and dealers in containers and chemical preparations. Alfred and George Eva, directors. R.O.: Harper Road, Wythenshaw, Manchester.

HERMOPLAST, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in plastic substances, materials, chemicals, etc. Harold V. Strong and Elizabeth Mousley, directors. R.O.: 11–13 Sylvan Grove, Old Kent Road, London, S.E.15.

DEANE & Co. (CHEMISTS), LTD. (P.C.).—Capital £3,000. To adopt an agreement with Agnes T. Borrowman to acquire a business carried on as Deane & Co. Agnes T. Borrowman, Ph.C., governing director. Solicitors: Bulcraig & Davis, London, W.C.2.

MARVOS CHEMICAL MANUFACTURING CO. (LUTON), LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, scientific apparatus, etc. Eric J. Salisbury, Stanley L. Hughman, and Arthur C. Chamberlain, directors. R.O.: Piccadilly Mansions, Shaftesbury Avenue, London, W.1.

HOOK MILLS, LTD. (P.C.).—Capital £2,000. Manufacturers of cocoa butter and allied products, manufacturing chemists, druggists, etc. Claude B. Kershaw, Meyndert S. Kamphuys (Dutch), W. G. Spice, Jacob B. de J. Cleyndert (British, of Dutch origin), Douglas W. Martin and Hans R. Sobel (Dutch), directors. R.O.: Hook Mill, Hook, Hants.

AMBRESIL, LTD.—For simplicity this name has been adopted instead of Aristol-Ambresils, Ltd., by the directors of that company.

A. MILLAR & CO., LTD.—Directors' report for the year ended October 31, 1944, shows profit, after providing for charges, at £5,698, to which has to be added the amount brought forward from last year, £6,870, making a total of £12,569. Out of this there has been paid the interim dividend on the 5 per cent. preference shares. final dividend on the preference shares the year ended October 31, 1944, has n been declared, amounting (less income t to £937, leaving £10,694. Out of this s the directors recommend the payment a dividend on the ordinary shares of 6 cent. (£3,750); carried forward, £6,9 Mr. R. N. Millar and Mr. E. W. Millar o themselves for re-election.

COMING EVENTS

Notices for inclusion under this heading should sent in time to reach the Editor at Bath not later t Wednesday morning of the week of insertion. Sec taries are advised to send copies of printed programn of local activities so soon as they are completed.

Tuesday, January 30

ROYAL INSTITUTION, 21 Albemarle Stre London, W.1, at 5.15 p.m. Mr. T. Wall D.Sc., on "The Diagnosis of Mineral D ficiencies in Crop Plants." First of two week lectures.

Wednesday, January 31

LEEDS BRANCH, PHARMACEUTICAL SOCIET Metropole Hotel, Leeds, at 3 p.m. Address by election candidates.

BATH BRANCH, NATIONAL PHARMACEUTIC UNION, Information Bureau, Abbey Churc yard, Bath, at 7.30 p.m. Alderman W. Tristram, M.P.S. (chairman, N.P.U.), "Benefits and Betterment."

BIRMINGHAM BRANCH, NATIONAL PHARMACEU TICAL UNION, Grand Hotel, Colmore Rov Birmingham, at 3 p.m. Mr. R. H. Kem Ph.C. (N.P.U. local organisations officer), "Your Business—A Review and a Forecast.

Thursday, February 1

NATIONAL ASSOCIATION OF WOMEN PHARMA CISTS, 17 Bloomsbury Square, London, W.C. at 7 p.m. Mr. L. G. Goodwin, B.Pharm., B.Sc on "The Chemotherapy of Tropical Diseases.

THAMES VALLEY DISTRICT PHARMACIST ASSOCIATION AND BRANCH, Kingston Hote Kingston, at 7.45 p.m. Address by Mr. J. F McNeal (vice-president of the Pharmaceutic Society).

Friday, February 2

ROYAL INSTITUTION, 21 Albemarle Street London, W.1, at 5 p.m. Professor E. N. d C. Andrade, F.R.S., on "Metal Crystals an Crystal Strength."

Sunday, February 4

MANCHESTER PHARMACEUTICAL ASSOCIATION Ramble to Bollington, Kettleshulme an Jenkins Chapel. Meet London Road Station 9.20 a.m. Book Bollington return.

ROPRIETARY ARTICLES TRADE ASSOCIATION

IEETING of the council of the Proprietary icles Trade Association was held on uary 11, the president (Mr. P. G. Hunt) the chair. The council instructed the retary to send messages of sympathy and d wishes to Messrs. F. S. Allwright, H. Ratcliffe, G. M. Roberts, P.F. Rowsell l F. J. Smith, absent through illness.

THE PRESIDENT referred to the loss the ociation had sustained through the th of Mr. S. N. Pickard, a colleague who, nearly fifty years, had played a prom- nt part in the Association's work, and in rmaceutical and public life. On the sident's motion it was resolved: "That council place on record its appreciation the services rendered, over an unbroken iod of nearly fifty years, by Mr. S. N. kard, who, as member of the retail sec- n of the council, of the executive com- tee, and as president, did his utmost to mote the beneficial work of the Associa- n. The council recalls that Mr. Pickard k an active part in the foundation and solidation of the P.A.T.A., and there- er did much to extend its influence and membership of its retail section."

On the motion of COLONEL S. WATSON, onded by MR. MIDDLETON, it was re- ved to send a message of congratulation Mr. J. Stanley Holmes, M.P., on the lusion of his name in the New Year nours list.

-opted Members

The council approved a recommendation the retail section that Messrs. C. S. allinor, Castleford, and S. J. Stearn, wich, should be co-opted to fill vacancies asioned by the death of Mr. S. N. kard, Ossett, and the resignation of Mr. N. Armitage, Leeds.

The council unanimously accepted and dorsed proposals affecting the Associa- n's policy and procedure submitted by executive committee, and it was agreed forward them to the National Pharma- tical Union. The proposals resulted from olonged consideration of various sugges- ns tendered by the N.P.U. Executive and the P.A.T.A. committe of inquiry.

Mr. R. Peck (May, Roberts & Co., Ltd.) nominated, in accordance with custom, the wholesale section—was proposed *President* by COLONEL S. WATSON, onded by MR. BARCLAY, supported by ESSRS. KNOTT and SKUES, and carried animously. MR. PECK then occupied the air and thanked the council for the honour conferred upon him. Reviewing his forty-two years' experience of the trade, during which he had noted the steady development of mutual co-operation within it—due in great measure to the spirit infused by the P.A.T.A.—he claimed there was no problem that could not be overcome, given a co-operative spirit and goodwill. He moved that a vote of thanks should be accorded to the outgoing president (Mr. P. G. Hunt), who had won the respect of his colleagues by the able, patient and impartial manner in which he had presided over the council's deliberations during a difficult year. The motion was seconded by MR. SKUES, supported by COLONEL WATSON, and carried unanimously. MR. HUNT suitably acknowledged the vote.

The council then elected as *Vice-presidents* Messrs. H. G. Middleton, Foster-McClellan Co. (manufacturers' section), N. E. Forster, Hall, Forster & Co., Ltd. (wholesale section), and E. Skues (retail section). Mr. Lindsay Barclay was re-elected *Treasurer*. The council elected to the executive committee the president, immediate past-president, vice-presidents, treasurer, and Messrs. J. D. Bohn, R. G. Dyas, J. E. French, W. S. Howells, T. Marns, C. H. Ratcliffe, P. F. Rowsell, F. J. Smith and Colonel Watson.

A report by the executive committee on the position relating to the disposal of surplus stocks of proprietary articles in the post-war period was considered and approved. The committee's report upon a discussion that had taken place to bring about a more effective price-maintenance of perfumery, cosmetic and toilet preparations was also approved.

Price-maintenance Work

The secretary's quarterly report on price-maintenance and investigation work showed that during the previous three months, 377 calls and inspections had been carried out by the Association. Only twelve instances of price-cutting had been noted, and traders still on the stop list were in possession of extremely limited stocks of P.A.T.A. goods. During the quarter, twenty-nine names had been removed from the stop list, and several instances of non-observance of P.A.T.A. regulations in relation to dividend on sales of P.A.T.A. articles had been investigated and dealt with. After considering details of serious breaches of their agreements by co-operative societies, the council gave instructions as to the action to be taken.

SOCIETY'S PRESIDENT AT WEST HAM

THE speaker at the January meeting of the West Ham and East Metropolitan Branch of the Pharmaceutical Society was the president of the Society (Mr. F. G. Wells). Mr. W. H. Cloud presided. MR. WELLS said the British Medical Association had called for funds to be made available for research in medicine. Pharmacy should also claim State assistance in research, because much pharmaceutical research was now being undertaken at the expense of members of the Society. He justified the Society's decision not to open the Pharmaceutical Joint Committee to company chemists and other sectional interests, and appealed to various groups to unite and give pharmacy the benefit of an organisation that could speak for members of the Society. The main question affecting pharmacy at the present time, he said, was whether there should be a State-salaried service or an augmented National Health Insurance scheme. Pharmacy could offer an incomparable service at the present time without a large capital outlay. The president believed that the fact that a salary scale had been agreed upon by the Joint Industrial Council, though in his opinion it was a low scale, would help chemists to obtain better remuneration. He appealed to members to support the Parliamentary Fund and assist in obtaining larger parliamentary representation for pharmacy.

Inadequate Salaries

In the discussion which followed, MR. J. R. TURTON complained of the inadequate salaries still offered to pharmacists, and suggested that this should be borne in mind in any negotiations.

MR. A. BLACKLEY thought the Society should endeavour to obtain fresh legislation to override the Jenkin judgment and to enable the Society to function as an organisation of pharmacists able to enhance the interests of its members in economic as well as educational fields. He protested against the use of certificates of registration as showcards in windows, advertising dispensing services, and asked what efforts were being made to improve the status of pharmacists in the Forces.

MR. W. ABLE asked who had appointed the Joint Industrial Council and what right any of the bodies represented on it had to negotiate for employed pharmacists. Did the Joint Committee consider the White Paper on a National Health Service only from the viewpoint of proprietor pharmacists or were managers and other employe consulted before decisions were reached?

MR. S. ROBINSON suggested that th proposed Central Pharmacy Board, solely appointed by the Minister of Healt might lean to the political principles of th Government of the day, and that a bett body would be a Board partly appointe and partly elected by pharmacists practisin under the scheme, election to be either o a territorial basis or under some form o proportional representation, to ensure ad quate expression for all types of locality an all sections of pharmacy. He asked for a effort to be made to ensure that all pharma ceutical and galenical materials used b units practising under the National Healt Scheme would be manufactured under a stringent a control by pharmacists as woul be demanded for their dispensing.

Constitution of Pharmacy Boards

MR. J. THOMSON asked for an outline o the proposed constitution of the loca pharmacy boards and thought it vital tha pharmacists should serve on borough an county councils to ensure that their poin of view was ventilated.

MR. J. REED asked whether the Society' Council favoured health centres as outline in the Government's scheme or as suggeste by the Dawson Committee twenty year earlier.

Replying to the various questions, TH PRESIDENT sympathised with complaint regarding salaries, informed members tha nine pharmacists doing pharmaceutica work had recently obtained commission in the Royal Air Force, and explained tha the Society had no influence in the con stitution of the Joint Industrial Council which had been organised by the Nationa Pharmaceutical Union and certain larg and comprehensive trade units.

DR. T. W. FORSTER, in proposing a vot of thanks to the speaker, mentioned tha in the borough of Barking a health centr was already functioning, and that th dispensing was by means of prescription written at the Centre and dispensed in on or other of the chemists' shops in th borough, at the patient's choice. MR. H BLUMENTHAL seconded the vote of thanks

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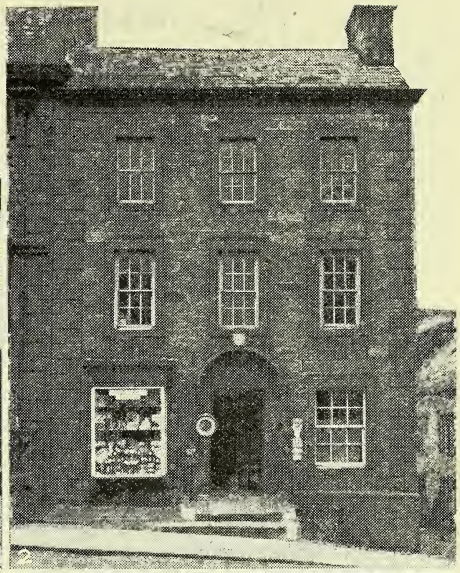
Wealth from Waste.—An exhibition o materials obtained by means of industria salvage was opened at the Carlton Hotel London, S.W.1, on January 19. Experts are in attendance at each stand.

EWS IN PICTURES



DISTINGUISHED PHARMACIES.—Two pharmacies contribute to the unspoilt charm of Appleby, Westmorland. *Left*, pharmacy of Mr. J. T. Nicholson, M.P.S., 11 Boroughgate; *right*, premises of Mr. C. J. Dixon, Ph.C., 28 Boroughgate.

MOBILE *X*-RAY UNIT.—Radiologist inspects film of factory workers she has *x*-rayed from first mass *x*-ray van unit to operate in this country (in London area). Unit consists of radiologist, three radiographers, doctor, clerks, marshal and driver.

PHARMACY COURSE FOR NAVY PERSONNEL.—U.S. Navy Hospital Corps personnel stationed at the U.S. Naval Hospital, Norman, photographed while on a resident, leisure-time course in pharmacy at the University of Oklahoma school of pharmacy, under the auspices of U.S. Navy Educational Services. The course is of nine weeks' duration, and is followed by another in technicians' work.

MR. LINSTEAD AT LEICESTER

A WELL-ATTENDED afternoon meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society, held on January 4, was addressed by Mr. H. N. Linstead, O.B.E., M.P. (secretary of the Society). Mr. H. J. Collis (vice-president of the Branch) was in the chair. MR. LINSTEAD dealt with the proposed National Health Service organisation. The new Service, he said, must pay its way. The Minister might decline to negotiate on any basis but that of "twice the number of scripts at present rates," for this would be an easy way out for him. The National Pharmaceutical Union or other negotiating body might refuse, and the Minister might then appeal to individual pharmacists. This would result in a straining of loyalty, such as wrecked the doctors in 1911. Remuneration must be left until it was known what service pharmacists were expected to provide. He concluded that if the Society could secure that the dispensing was reserved for pharmacists at reasonable remuneration, the Society would have done its job. The responsibility would then rest upon individual pharmacists to show that they could give the necessary service.

Health Centre Dispensary Problems

In reply to MR. YOUNG, MR. LINSTEAD said pharmacists might be under contract with the Central Pharmacy Board, but the local pharmacy boards would act as advisers to the local authorities. The danger from competition lay in the fact that health centres would be rate-subsidised. MR. HOPKINS asked if health centres would, in fact, be built. THE SECRETARY said it was hoped there would be no new units without need. MR. COLLINSON said patients would prefer their local chemist's shop.

MR. WOMPRA asked if anything had been done to implement the amendment, passed at the Branch Representatives' meeting, that the company chemists should be invited to join the Joint Committee considering the National Health Service. MR. LINSTEAD said he felt it was now time to consult the companies and also the Trade Unions. MR. BREAM asked why health centres need have dispensaries. MR. LINSTEAD answered that it was logical for a complete centre to have a dispensary. A central loan scheme for chemists would be difficult and complicated, and he thought chemists could provide an improved service without assistance.

In reply to MR. CHAMINGS, THE SECRETARY said he believed Manchester had built pre ises for health centres, and these were now ing used for air-raid precautions purpo The Manchester scheme was a consulta not a general practitioner, service. T White Paper, in contrast, suggested gro ing G.P.'s. In reply to MISS PERKI MR. LINSTEAD said that the sixteen cent could not handle all Manchester's dispe ing, but it might be a beginning. To M RIMMINGTON, who thought the changi character of dispensing might render u necessary dispensaries at health centres, replied that, in his view, the bottle medicine would be popular for a long tin and that doctors might be encouraged return to elegant prescribing.

Better Conditions

MR. HACKETT suggested that under t new Service holidays should be a rig THE SECRETARY thought conditions wo probably be better, and that, ultimate there might be two pharmacists to ea shop, which would facilitate matters. M BUSWELL asked if remuneration might by retaining fee, plus profit on drugs, pl a dispensing fee. MR. LINSTEAD said the was something to be said for a retaining f and it was being kept in mind. In reply MR. HASTINGS, he said it was suggest the Central Board should have contr over newcomers wishing to dispense, b not over the opening of shops.

MR. EAGLE raised the question of isolat villages, and MR. LINSTEAD said it might that doctors would dispense in isolat areas, or that a delivery scheme mig be operated by the area pharmacy boar MR. WOMPRA asked about the area pha macy scheme that had been suggested b Mr. Hudson, and THE SECRETARY repli that such pharmacies did exist. He did n think an elaborate scheme necessary. MI PERKINS pointed out that some modificatio of the Pharmacy Acts would be necessa for a hospital, and asked about record MR. LINSTEAD hoped a lot of prescriptio copying would be abolished. Answering M JACKSON, he said pharmacy had no liaiso with the British Medical Association, b had a community of interest and mig expect doctors' support; a twenty-fou hour service would not be necessary i every shop, but pharmacists should b prepared to take part in a rota. Answerin MR. HACKETT, he agreed they could not b expected to do this without adequat remuneration. He agreed with MR. JACOB

chemists living on the premises were ly giving a twenty-four-hour service. WAND inquired if there was any indica- of the terms the Minister would be ired to offer and whether, in the event deadlock, the loyalty of individual macists could be relied upon. MR. TEAD replied that it was not only a ion of loyalty but of business.

s. WRIGHT asked about working hours. LINSTEAD said they must differentiate een shopping hours and a dispensing ce; they must be prepared for a rota, individuals might have shorter hours at present. MR. JACOBS said that if erms offered were not acceptable to macists, the co-ops and multiples might to them, and MR. WOMPRA suggested was all the more reason why the companies should be represented on the Joint Committee. MR. LINSTEAD urged members not to assume that the companies would accept lower terms.

MR. COPSON suggested that in, say, ten years' time all dispensing should be done by qualified people, and that the remuneration should be appropriate. MR. LINSTEAD said there certainly should be a higher degree of supervision than at present, and that two pharmacists per shop would approach the ideal. MISS STILES asked about the prescribing of proprietaries on patients' request, and MR. LINSTEAD agreed that the "obliging doctor" would always be a difficulty.

The meeting concluded with a vote of thanks proposed by MR. PURSE and seconded by MR. EAGLE.

PHARMACEUTICAL SOCIETY EXAMINATION RESULTS

following satisfied the examiners in hemist and Druggist Qualifying exam- ns held in England and Wales in mber 1944 and January 1945:—

ist and Druggist Examination

nnett, Ruth Marion, Leicester
nson, David Kilner, Leamington
rke, Terence Maurice, Leyton
nster, William H. F. Ll., Northenden
on, Annie, Blackburn
ibear, Trevor George, Aberkenfig
ns, John Glyndwr, Cardiff
vies, Glynwen Mary, Haverfordwest
ycott, Madeline Joy, Rugby
re, Margaret Maud, Eastbourne
ans, Evan Dewi, Dinas Cross
scoigne, Gilbert, Cirencester
ffin, Harold Bruce, Newport
rk, Milton Robert, Bolton
rries, Stanley George, St. Davids
l, Doreen Edith, Derby
tchen, James Sydney, Wolverhampton
wells, Ivor, Ferndale
ghes, Gareth, Loughor
chen, Dorothy, Denton
, Douglas, Horwich
Garry, Denis, Chelsea
rsden, James Leigh, Preston
rgan, Herbert Myrddin, St. Clears
wsham, Audrey, Blackburn
xon, Sydney Gordon, Stone
es, Marcus John, Pontyclun
berts, Dorothy Emily, Carmarthen
binson, John, Thornton Heath
yle, James Cecil, Manchester
imwell, Hugh Stuart, Old Southgate
ipley, William Ivor, Alton
ldall, Bessie Elizabeth, Preston
ttle, Thomas Henry, Swanage
ebber, Leslie Lazarus, Mile End
estwell, Lingard, Manchester
ilson, Audrey Margaret, Monkseaton

The following candidates satisfied the examiners in Edinburgh:—

Baron, Margaret, Liverpool
Coughlan, Richard Sleightholme, Darlington
Farnworth, Joan Shelagh, Oldham
Fowler, Norman Stewart, Wirral
Heap, Isobel Grace, Huddersfield
Hirst, Stephen, Huddersfield
Honeybill, Derek, Holyhead
Howard, Francis Eugene, Liverpool
Jagger, Douglas, Halifax
Jones, Bronwen Mary, Leeds
Mowbray, William, Newcastle-on-Tyne
Moyes, Alexander Charles Royston, Bradford
Muscroft, Robert John, Skipton-in-Craven
Raynor, Wilfred, Leeds
Reeves, William Henry, Keswick
Summerfield, Edward Rodney, Liverpool
Tattersall, Arthur, Blackburn
Taylor, James Lancaster, Manchester
Taylor, John Stephen, Barrow-in-Furness
Wilson, Gordon, Wakefield

Pharmaceutical Chemist Examination

The following satisfied the examiners in England and Wales:—

Badham, Dennis Roland
Collett, Sam
Etchells, Dennis Frederick
Jenkins, Henry Austen
Levy, Nellie
Lewis, Idris Price
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CXLIII JANUARY 27, 1945 NO. 3390

fact that goods made of raw materials hort supply owing to war conditions are rtised in this paper or described in its rial columns should not be taken as an cation that they are necessarily available xport.

D.D. Obscurities

charges against four chemists at ing of failure to make appropriate ies in the Dangerous Drugs register of criptions for Ex. S.1 dilutions of mor- e or cocaine have been dismissed out conviction (see *C. & D.*, January p. 20) on the ground that the failure he part of the respondents was quite cent and to a certain extent excusable. s to be regretted that the pleas of ilty" prevented adequate analysis of "obscurities" of the law relating to y solution or dilution of morphine or ine or their salts in an inert substance ther liquid or solid, containing any pro- ion of morphine or cocaine."

plicated Orders

he situation in respect of this D.D. irement is undoubtedly complicated, ng to the fact that the list of Dangerous gs to which Part III of the D.D. Act, o, applies is that of Section 1 (1) of the). Act, 1932, as modified by Orders in ncil in 1937 (S. R. & O., Nos. 305 and). The modifications concerned sub- ions (*e*), (*f*), (*h*) and (*i*), and the effect hese "important" changes was clearly out on p. 316 of the *C. & D. Diary*, 1938. In addition, a warning in prominent (black) type stressed that "the changes relative to individual D.D. (and Ex. D.D.) preparations are complicated and confusing, and reference should, for exact classification, be made to the Extended List of Poisons in the 1938 edition of the '*C. & D.* Poisons Guide.'"

The evidence in the case shows a surprising lack of knowledge, in quarters that should be well-informed, of the modifications to Section 1 (1) of the D.D. Act, 1932. Thus the Procurator-Fiscal, in opening the case; the defence, in emphasising the necessity for complying with subsection 1 (1) (*e*); and Martindale (22nd edition, 1941, p. 1133), all refer to the unmodified Section 1 (1) of the D.D. Act, 1932. The fact that the Dangerous Drugs list at the date of the coming into operation of the D.D. Regulations, 1937, is given on p. 1 of those Regulations (S. R. & O., 1937, No. 560) makes inexplicable the continued references to an earlier decree.

Numerous Queries

As a consequence of this doubtful publicity, THE CHEMIST AND DRUGGIST has been bombarded with queries in respect of preparations containing liq. morph. hydrochlor. Such inquiries are understandable, in view of a ruling by the Home Office in 1933, which, for practical purposes, exempted Ex. S.1. dilutions of liq. morph. hydrochlor. and tinct. opii from D.D. registration. The Home Office then ruled to the effect that quantities of less than 126 minims of these B.P. preparations, in less than 1 fl. oz. of finished product, were "Ex. D.D." regardless of whether the diluent was plain water or a medicated vehicle. It is clear that, in the case of tinct. opii, the morphine is already mixed with other medicinal substances, and therefore Ex. S.1 dilutions with water are also Ex. D.D. The ruling in regard to liq. morph. hydrochlor. is more subtle, and may advisably be subject to disputation in a court of law. However, due deliberation reveals that liq. morph. hydrochlor. is a solution of the morphine salt in an admixture of dilute hydrochloric acid, alcohol and distilled water. Since neither the acid nor the alcohol can be classed as an inert substance, the ruling that Ex. S.1. dilutions of liq. morph.

hydrochlor. are also Ex. D.D. is properly substantiated.

The intention of the 1932 and 1937 changes in the D.D. Acts and Regulations was undoubtedly to prevent drug addicts from having access to Ex. S.1. products from which the dangerous drug can be readily extracted or easily concentrated in an unchanged condition. This consideration is seldom met with in dispensing practice, as it applies only to direct dilutions of drugs (morphine, etc.) with inert diluents (water, lactose, etc.) below First Schedule limits. The position in respect of other diluents, such as kaolin, bismuth salts and sodium bicarbonate, is unaffected, as these are definitely of medicinal value, as is also the case with such vehicles as chloroform water and peppermint water. The Stirling case does not provide any decision as to the validity of the Home Office ruling, and it is deplorable that the action has had the effect of making confusion in respect of subsection 1 (1) (*e*) worse confounded. In particular, an opportunity has been missed of emphasising that practising pharmacists have been prosecuted for offences which legal experts have been unable clearly to define.

Pharmaceutical Integrity

A prime difficulty in poisons law is that a comprehensive Poisons Guide can classify each individual entry, but cannot cover every contingency. The amendment and re-amendment of Acts, rules, regulations and schedules are retroactive, and the statutory changes make prior editions obsolete. Nevertheless, retail and wholesale druggists have shown remarkable perspicuity in complying with the ever-changing poisons provisions, and the Stirling case does not discredit pharmaceutical integrity in the slightest degree.

It is the height of absurdity for an Ex. S.1. prescription to be *still D.D.* and, until such anomalies are corrected, innocent pharmacists will, owing to the inadequacies of the law, remain liable to be charged with criminal offences without proper legal protection. It is obvious that this danger must increase unless future amendments of the poisons provisions are in the direction of co-ordinating the present conflicting statutes.

The New Addendum

When, in November 1943, the Gen Medical Council issued its first set amendments to the then recently publis Sixth Addendum to the British Pl macopœia, experienced observers reali that a Seventh Addendum was likely follow at a not very distant date. interval turns out to be eighteen mon three months longer than the Addend interval of 1942–43; and Addendum V with its 105 pages and its useful cumulat index, proves to be longer than any of predecessors since 1936. On p. 96 of t issue we conclude our notes on outstand features of the book. An Addendum to British Pharmacopœia is obviously a st gap production, and for this reason we not propose to comment on the pres volume with the same fullness as would usual in the case of a new Pharmacopœ For most pharmacists the leading feat of the Addendum is the series of tabella the English synonym of which word, may be noted in passing, is "tablets." including them for the first time General Medical Council may be followi the lead of the compilers of United Sta Pharmacopœia XII, which contains for eight, an appreciably larger number th that of B.P. Addendum VII. In view of t desirability of keeping the contents of t two pharmacopœias in step, we could wi that the Addendum list had been somewh longer and had included certain famil remedies the appearance of which in tab form could, so far as we know, have occ sioned no controversy. In particular, should have been glad to see thyroid table officially recognised with an appropria specification. Not long ago a case came our notice in which a patient brought prescription for thyroid tablets, after it h been dispensed in Scotland, to Southe England, and was perturbed by a mark difference in size between the two lots. Th question of unifying the contents of t British Pharmacopœia and the Unit States Pharmacopœia is likely to becon increasingly important, and we trust th it is being kept in mind by the Pharm copœia Committee of the General Medic Council.

ne or two other points arise. The nission to use potassium sulphate in e of lactose as the diluent in Dover's der may be justifiable as a temporary edient; but it may be hoped that at the iest opportunity the Council will make its mind what the official formula for preparation is to be. There was trouble n it was discovered that the present ish Pharmacopœia did not use the same ent for pulvis ipecacuanhæ et opii as of the "international" formula of the gue of Nations: this type of nuisance ild be foreseen and obviated. Incident- all but one of the synonyms of the for this powder have disappeared from endum VII, presumably by oversight. s worth while to call attention to two s of ointments which may give rise to understandings and possibly to claims damages, and at the same time to draw eil over the unlamented ointments of lendum VI. The ointments to which we r are (1) the two ammoniated mercury ments, and (2) the two zinc ointments. nay have escaped notice that unguentum rargyri ammoniati, with its new onym unguentum hydrargyri ammoniati tum, is two-and-a-half times the ngth of unguentum hydrargyri am- niati aquosum, which is not an ointment he "dilutum" order: prescribers may be plexed by this anomaly. As to the ointments, the simple variety reverts the B.P. formula, and the hydrous iety takes over the unguentum zinci li formula of Addendum VI. These ential difficulties may involve time and ience before they are overcome.

Export Credits Guarantees

TAILS of early legislation to expand the ort credits scheme to restore British trade wage the battle against unemployment er the war were given by Lord Woolton, nister of Reconstruction, at Bristol on urday, January 20. In a speech to iness men he said that Parliament would asked to raise the limit of the Govern- nt's liability under export guarantees n the pre-war figure of £75,000,000 to 0,000,000, and to increase the sums ilable for the backing of the re-export de. A Bill to give effect to this proposal has been published under the title "Export Guarantees Bill," the purpose of which is to amend the Export Guarantees Act of 1939, under which the Board of Trade is empowered to give guarantees in connexion with the export from the United Kingdom of goods to any country. The Act provides that the aggregate amount of the Board's liability at any time in respect of the guarantees shall not exceed £75 million, and fixes, within that limit, subsidiary limits for the aggregate liability in respect of certain types of guarantees.

The guarantees are given to exporters in return for a premium, and afford protection against the main risks of overseas trading. During the past five years the total amount guaranteed by policies issued has exceeded £375 million. The objects of the present Bill are to make provision for the increase of the limits of liability in order to meet the increased demand for the guarantees to be expected after the war, and to authorise the Board of Trade to give guarantees in respect of certain external transactions.

Clause 1 of the Bill increases the maximum amount of the Board's liability at any time in respect of the guarantees from £75 million to £200 million, and within that general limit increases the specific limits for the liability in respect of certain guarantees. This clause also extends the power to give guarantees covering contracts for constructional work abroad, by removing the restriction imposed by Section 2 (2) of the Export Guarantees Act, 1939, which limits the Board's guarantee in respect of local expenditure on labour and materials to one-third of the value of the goods exported under the contract. (A similar amendment of the Overseas Trade Guarantees Act, 1939, is effected by Clause 4.)

Clause 2 empowers the Board of Trade to give guarantees in connexion with sales of goods by United Kingdom merchants for shipment directly between countries overseas. The object of the clause is to enable guarantees to be given in respect of sales of unmanufactured goods and other primary products which do not compete with U.K. export trade in manufactured goods, and accordingly proviso (*b*) excludes manufactured goods except where the guarantees cause no detriment to British exports.

B.P. ADDENDUM VII, 1945

In our issues of November 18 (p. 530) and December 9, 1944 (p. 610), appeared notes on the Seventh Addendum to the British Pharmacopœia, in force on and from February 1 next. The additions to and amendments of the Pharmacopœia and its six Addenda include a few already announced by notices in the official "Gazettes." It will accordingly suffice, for these, to call attention to the records of "Gazette" notices in the *C. & D.*, 1943. II. 537; 1944. I. 187; July 1, 1944, p. 1; July 29, 1944, p. 105. The principal addition not reviewed in our previous notes is the series of tablets.

Tabellæ

Three definitions of "tabellæ" ("tablets") are given. (1) "Tablets are solid discs prepared by compressing or moulding a drug, or a mixture of drugs." (2) "Compressed tablets are circular discs, either flat or bi-convex, prepared by compressing a drug, or mixture of drugs, with or without excipient, by means of punches in suitable dies." (3) "Moulded tablets, or tablet triturates are flat circular discs prepared by pressing moistened powders into moulds." The two-page introductory monograph of this section includes a formula for the official chocolate basis (cocoa powder, non-alkalised 15, sucrose 15, lactose 70). The following is a synopsis of the tablets (with alternative names in parentheses), and of the strengths to be dispensed or supplied when the quantity in each tablet isnot stated.

Tablet Strengths and Abbreviations

The Latin abbreviations are the official ones:—

Acid. Acetylsalicyl., acetylsalicylic acid (aspirin), gr. 5. *Acid. Ascorb.*, ascorbic acid (vitamin C), 0·05 gram, either for prophylactic or for therapeutic dosage. *Acid. Nicotin.*, nicotinic acid, 0·05 gram. *Atrop. Sulph.*, atropine sulphate, gr. $\frac{1}{100}$. *Barbiton.*, barbitone (barbital), gr. 5. *Barbiton. Solub.*, soluble barbitone (barbital sodium), gr. 5. *Calc. Lact.*, calcium lactate, gr. 5. *Carbrom.*, carbromal (uradal), gr. 5. *Codein. Phosph.*, codeine phosphate, gr. $\frac{1}{2}$. *Ephed. Hydrochlor.*, ephedrine hydrochloride, gr. $\frac{1}{2}$. *Erythrityl. Tetranit.*, erythrityl (erythrol) tetranitrate, gr. $\frac{1}{2}$ (i.e., of *diluted* erythrityl tetranitrate). *Glyc. Trinit.*, glyceryl trinitrate (trinitrin; nitroglycerin; tabellæ trinitrini), gr. $\frac{1}{130}$. *Hexamin.*, hexamine (methenamine), gr. 5. *Hydrarg. c. Cret.*, mercury with chalk (grey powder), gr. 1. *Hydrarg. Subchlor.*, mercurous chloride (calomel; subchloride of mercury), gr. 1. *Mepacr. Hydrochlor.*, mepac hydrochloride, 0·1 gram. *Nicotina* nicotinamide (nicotinic acid amide), gram. *Phenacetin.*, phenacetin (ac phenetidin), gr. 5. *Phenazon.*, phena (antipyrin), gr. 5. *Phenobarbiton.*, ph barbitone (phenobarbital), gr. $\frac{1}{2}$. *Ph barbiton. Solub.*, soluble phenobarbi (phenobarbital sodium), gr. $\frac{1}{2}$. *Phenolph* phenolphthalein, gr. 2. *Pot. Brom.*, po sium bromide, gr. 5. *Pot. Chlorat.*, potass chlorate, gr. 5. *Quinin. Bisulph.*, qui bisulphate (acid sulphate), gr. 5. *Qui Hydrochlor.*, quinine hydrochloride., gr *Sod. Bicarb. Co.*, compound sodium carbonate (soda mint). (For 1,000 tab sodium bicarbonate 324 gm. and oil peppermint 4 mils are used.) *Sod.* sodium citrate, gr. 2. *Sod. Salicyl.*, sod salicylate, gr. 5. *Stilbœstr.*, stilbœs (diethylstilbœstrol), 0·0005 gram. *phadiazin.*, sulphadiazine, 0·5 gram. *phaguanidin.*, sulphaguanidine, 0·5 gr *Sulphanilamid.*, sulphanilamide, 0·5 gr *Sulphapyridin.*, sulphapyridine, 0·5 gr *Sulphathiazol.*, sulphathiazole, 0·5 gram

Approved Names

A leaflet inserted in the Addendum capitulates the official names of certain substances in the seven Addenda, and a a list of "approved names." For th approved names monographs are not p vided, "the intention being that if any the drugs is eventually described in British Pharmacopœia, the approved na shall become its official title. . . . For so drugs other names have been introduce the lists that follow include, in m instances, under Other Names, only names under which the substances w originally introduced; some of these nam are registered trade marks." It is hop that the approved names will be genera used in prescribing. The second list gi opposite each name its chemical designati (with one exception) and, in most cases, o or more trade names. Examples a Diphenan—*para*benzylphenyl carbamat butolan. Ethisterone—ethinyltestosteron pregneninolone.

It may be added that the new ointmen (described in our issue of November 1 1944) are official as from the date publication, and that permission to dispen or supply alternatives is withdrawn. T price of the book is 8s. 6d., and the publishe are Constable & Co., Ltd., 10 Orange Stree London, W.C.2.

.H.S. QUESTIONS ANSWERED AT LIVERPOOL

rpool Chemists' Association and local ch of the Pharmaceutical Society held nt meeting in Liverpool on January 17, n Mr. F. C. Wilson (a member of the ety's Council) gave a talk on the osed National Health Service. Alder- W. J. Tristram, J.P., who presided, ounced that the annual Liverpool ap- for the Society's Benevolent Fund resulted in £145 being collected—a rd sum. Members of the committee grateful to all who had shown interest. rring to the National Health Service, erman Tristram said that chemists, in r private capacities, must be aware of y people who needed medical attention themselves or their families, but did get it at present because of cost. "If lecide, as citizens, there is a need for tional medical service, we should not se it as pharmacists."

dom and "Power Politics"

r. F. C. Wilson said it was suggested the Pharmacy Board should act as "employer" of pharmacists, just as the lical Board would employ doctors, and ild have power to control the number position of units within the scheme. in stores and co-operatives opposed this tion of the Board. The speaker de- bed freedom to assert one's own will, n though it impinged on the rights and dom of others, as the perpetuation of er politics. "There is in the minds of ny a serious misconception as to the ers existent at the present time. . . . re are no powers vested in the Society refuse registration of chemists' shops, no powers vested in insurance com- tees to refuse access to the Panel of any mises." The present licensing system , he said, merely a war-time measure, igned to conserve supplies. It was ikely that it would be long continued en saleable commodities were again ntiful. "I will oppose to the bitter end attempt to cut out the Pharmacy rd, or to whittle down its powers, unless ne other gilt-edged guarantee is given to ure protection to the chemist who is ng his utmost to provide a first-class vice."

In the discussion, Mr. G. C. Jenkins clared that the Society's wrong educa- nal policy had created too many phar- cists who could not make a living.—. Wilson replied that the reverse would nearer the truth. The Pharmacy Board would have the power to give some security to pharmacists who were giving an adequate service under the scheme.

A Suggestion Not Approved by Council

Mr. J. P. Murphy: Has a multiple chemist yet been co-opted to the Joint Committee?—Mr. Wilson: No.—Mr. Murphy: But it was passed at the Pharmaceutical Conference. That means there is no democracy in pharmacy!—Mr. Wilson: It means that the Council have not approved the suggestion.

Mr. G. L. Clubb: Is the statement on professional conduct, particularly that relating to the advertising of dispensing service, to apply only to the small man or is it to include the multiples who are advertising on a large scale?—Mr. Wilson: It is intended to apply to all. It is now the duty of the Law Committee to give it effect. What I can do to get it carried out, I shall do.

Mr. E. A. Briggs: Are we sure that the public want health centres? What privacy will there be for the patient? I believe the public do not appreciate what the effect of a national service will be.—Mr. Wilson: There will still be privacy. That aspect need not cause concern.

Mr. G. L. Clubb: Ought I to do everything recommended in the Ministry of Health Bulletin? One week I was instructed to send customers to clinics for cod-liver oil compound. Am I supposed to do this?—Mr. Wilson: The Bulletin is published by the Government to help in developing health ideas. You are not obliged to do everything recommended there.

Mr. L. Oley: Ought we not to get down to terms?—Mr. Wilson: We must get away from the present system of payment, but first we must get away from the present system of service.—Mr. W. E. Humphreys: Can the Society demand a professional fee, or is it outside their powers?—Mr. Wilson: It is not outside their powers.

A vote of thanks proposed by Mr. E. A. Briggs was seconded by Mr. J. L. Hirst.

Treatment of Boiler Water.—Faults due to bad boiler feed water, and their treatment by chemical methods, are dealt with in draft standard methods of treatment and three data sheets drawn up by the British Standards Institution, 28 Victoria Street, London, S.W.1, from which copies may be obtained.

WAGES IN CO-OPERATIVE PHARMACIES

An agreement has recently been signed between the National Wages Council of the Co-operative Union, Ltd., and the National Union of Distributive and Allied Workers and National Amalgamated Union of Shop Assistants, Warehousemen and Clerks upon rates of wages to be paid to qualified and unqualified staffs in co-operative pharmacies. The rates are as follows:—

Qualified Managers.—Average weekly sales up to and including £70, London, 110s., Provinces, 105s.; with 2s. 6d. extra for every additional £10 or part thereof of weekly sales to £300 weekly, and thereafter 3s. for every £50 or part thereof of weekly sales.

Qualified Manageresses. — Average weekly sales up to and including £70, London, 105s., Provinces, 100s.; with the same increments for additional turnover as for managers.

"Average weekly takings" includes all cash takings of the shop (except for tobacco); in shops where there is an optician under a pharmacist manager without optical qualification the sales of the optical section are excluded. The wage is determined at the end of each half-year on the basis of the average weekly sales for the preceding twelve months. Special provisions may be made by arrangement between the parties to the agreement for pharmacies in which the sales exceed the figures of £600 weekly. A society in a country district, having a shop with small sales, has the right to apply for a special rate to be fixed.

Qualified Assistants.—

Males	London	Provinces
1st year after qualifying	85s.	80s.
2nd year after qualifying	90s.	85s.
3rd year after qualifying	95s.	90s.

Females	London	Provinces
1st year after qualifying	80s.	75s.
2nd year after qualifying	85s.	80s.
3rd year after qualifying	90s.	85s.

Additional rates apply to pharmacists with optical qualification.

Unqualified Male Assistants who have completed a regular apprenticeship.—

Age	21	22	23
London ..	65s.	70s.	75s.
Provinces ..	60s.	65s.	70s.

Unqualified Female Assistants w have completed not less than three yea continuous experience in pharmacy a who are wholly or mainly employed retailing drugs, medicines, and assist dispensing.—

Age	18	19	20	21	22	
London ..	28s.	34s.	40s.	45s.	50s.	5
Provinces	27s. 6d.	30s.	35s.	40s.	45s.	5

All other Male and Female Worke (including Apprentices).—Rates for t corresponding class of worker laid down the general distributive agreement appl able to the society concerned.

First Assistants.—In shops where r less than three persons are employed (c cluding the manager or manageress) additional amount of 3s.; in shops wh not less than five persons are employ (excluding the manager or manageress) additional amount of 5s.

Special Cases.—(E.g. physically defi ent workers) are subject to spec negotiation.

War Bonuses

The rates are subject to National W Bonuses according to the following scales:

	s.	d.	
Males, 21 and over	21	0	weel
Males, 18 and under 21 ..	15	0	,,
Males, under 18..	11	0	,,
Females, 21 and over	20	0	,,
Females, 18 and under 21 ..	14	6	,,
Females, under 18	11	0	,,

There are special additional war increas to branch managers and manageresses accordance with the following award:—

Average weekly sales—	s.	d.
Under £100	3	0
£100 and under £200 ..	5	0
£200 and under £400 ..	6	0
£400 and over	7	6

Cartels Defined.—"According to comm usage, a cartel is an arrangement betwe a number of independent producers traders for the regulation of prices, pr duction, or supply of a commodity."— The President of the Board of Trade.

PHARMACY IN CZECHOSLOVAKIA

MEETING of the Manchester Pharma-ıtical Association and Branch of the Phar-ıceutical Society was held on January Mr. H. Brindle in the chair. Introducing . A. Kende as the speaker on "Phar-ıcy in Czechoslovakia," MR. BRINDLE d he was a Master of Pharmacy at ague University, and until the Nazi gression had carried on his own phar-ıcy. He came to England early in the r, holding at first a post in a manufac-ring pharmaceutical firm, but he was at esent engaged in research work on metals use in warfare. He thought this indi-ted the adaptability of men trained in armacy.

vo Pharmacopœias

MR. A. KENDE introduced his talk with rapid survey of the history of Czecho-vakia. In the development of the re-blic, he said, it had not been possible to epare their own Pharmacopœia, so that e western part of the State used the istrian Pharmacopœia and the eastern e Hungarian. This dual system had its advantages, but the districts were so ll-defined that little confusion resulted. armacy in the country was not a free ade. In order to open a pharmacy a ence had to be obtained from the Govern-ent. The ratio was one to 5,000 of the pulation. The standard of pharmacy s higher than in England, the phar-ıcist having the same professional stand-s as the doctor or surgeon. Licences were sed on the Austrian system. Dispensaries Red Cross institutions, University nics, sanatoria, and the like, functioned in-patients only. Out-patients had to t their medicines from pharmacies. armacies could not be sold. The drugs d equipment could be made over to a rchaser, but the Government controlled e licence and there was usually little ficulty in getting this transferred. Each armaceutical shop was controlled by the armacist in charge, who was responsible the maintenance of an adequate service. hilst he had some privileges, he had many ponsibilities. He had to provide a full-ne service, including Sundays and holi-ys. This did not mean that he had to ep the pharmacy open all the time, only at when he left the premises he had to tify where he was available. In cities and wns it was customary to have a rota stem after hours. Only pharmacists were titled to dispense medicines.

After describing accommodation and equipment Mr. Kende said the pharmacy was visited twice a year by a district officer. In the event of an inefficient service being found the licence could be taken away without compensation. Regulations issued by the Pharmaceutical Society had to be complied with; the Society had powers of inspection. Prescriptions had to be priced according to a schedule controlled by the Government. There was no competition in the dispensing of prescriptions, the charges being national. Prescriptions dispensed after 7 p.m. carried an extra fee of 1s. for National Health and 2s. for private scripts, and half this amount was allotted to the assistant who acted as dispenser. Membership of the Society was compulsory. He was struck by the high standard of education among young pharmacists in England, and could not understand why this highly educated profession should have so little recognition. The British Pharmacopœia was more advanced and in every way a better publication than either the Austrian or Hungarian Pharmacopœias, and this greatly impressed him.

Questions

In reply to questions, Mr. Kende said that the prestige of pharmacists in his country was higher than in England. Salaries of assistants were laid down. Living was much cheaper, and that should be taken into consideration in any comparison of figures. In 1938, a senior pharmacist would receive £22 10s. monthly, with free rooms and no board. Apprentices were limited to one to each pharmacist on the staff. His country, up to 1938, was developing rapidly, with a growing population, and, to meet this, additional pharmacies were required. In pharmacy there was no unemployment. All pharmacies were equipped to manufacture their own galenicals. The fee for a licence varied according to the size of town or city, being £200 in a city and much less in a country town. No medical man was allowed to dispense. His function was to prescribe. Co-operation between doctor and pharmacist was encouraged, to the advantage of both medical and pharmaceutical services. The business of the pharmacist was pharmaceutical and surgical. There were no photographic sales or adjuncts of that kind.

MR. H. STEINMAN proposed a vote of thanks, which was carried with loud applause.

IRISH DRUG ASSOCIATION

Mr. Lyall G. Smith (the president of the Association), was in the chair at a provincial delegates' meeting of the Irish Drug Association held in Dublin on January 9. In addition to members of the I.D.A. Committee there were present Messrs. W. Hanley and R. L. Austin, Limerick; N. A. McKane, Ballina; J. P. Kissane, Tipperary; James McKeever, Navan; James Nicholson, Clones; E. J. McSweeney, Cork; and J. K. Whelehan, Mullingar. Apologies for inability to attend were received from delegates in Kerry and Clonmel. Mr. Smith reviewed the activities of the committee since the previous delegate meeting, and referred to an agreement made with Coras Iompair Eireann (Irish Transport Co.) regarding the sale and dispensing of medicines at contract prices for employees of the company. Several delegates declared that such contracts should not be made by the committee in the name of the members without prior consultation with all the members, either direct or through the local Associations. Mr. Smith also referred to an agreement securing the distribution of two proprietaries through chemists and druggists only. Several country delegates expressed dissatisfaction at the making of an agreement with the manufacturers concerned when, it was stated, every possible source of distribution outside qualified pharmacists had been supplied with the product, but Mr. Smith pointed out that the agreement became operative on December 1, 1944, and that some time must elapse before the stocks in non-qualified hands became exhausted; then the benefit of the agreement would be felt. The explanation was regarded as satisfactory. A discussion followed on supplies to country hospitals and institutions by approved wholesale houses.

Supplies to Institutions

It was pointed out that such institutions were being charged the same price by wholesalers as that charged to chemists, and that local chemists were not therefore in a position to compete. It was also stated that chemists were being charged a higher price than that charged by grocers' wholesalers for certain preparations. The meeting suggested that it was opportune to have a revision of the approved lists, particularly the wholesale Class B list. The feeling of the country delegates was that members would not continue to support the wholesalers if their charges were so much greater than the prices charged to chemists a Eire by the non-qualified wholesale hou

Local Delegates at Future Meetings

It was further suggested that, at y future meetings with the wholesale tion, delegates from each local Associa should be invited to attend. Discussi took place on the restriction of veterin lines by certain manufacturers, leakage f approved lines, apprentices, and reci city of the Irish pharmaceutical qualifica with other countries. These matters w referred to the committee for furt consideration. On the question of agreement reached between the I.D.A. the Assistants' Union, delegates pres were of the opinion that, generally, ployees throughout the country were members of the Union.

Penicillin Control in Eire.—An offi statement has been issued that the Par mentary Secretary to the Minister of Lo Government and Public Health propo shortly to make an Order, under Therapeutic Substances Act, 1932, declar penicillin to be a substance to which Act applies. Forms of application for import licence and forms of manufactur undertaking may be obtained from Department.

PRESENTATION TO MR. S. McAULEY.—In Dubl recently, Mr. S. McAuley was honoured by the st of Irish Pharmaceuticals, Ltd. Mr. Hugh Palmer is se making a presentation to him. *Left to right:* Mr. P. Cahill; Mr. S. McAuley (managing director); M Jean Harrison (first prizewinner in Dawn beau competition, 1944); Miss R. Malone; and Mr. Hu Palmer.

TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include ne war risk insurance and other abnormal charges payable in the present emergency

8 Essex Street, W.C.2, January 24

RE is little improvement to record in less this week, although inquiries have rather more numerous. Price move- s are few and slight, and the general of the markets is steady. Makers of RMACEUTICAL CHEMICALS report the nuance of stable conditions, with fair ies of most products available. No rtant price changes are announced.

e Drugs

ese markets have remained quiet, but values of most items are maintained. l supplies of Curaçao ALOES are ted to be available at the price stated. prices are noted for any remaining s of BENZOIN. CLOVES is in steady ry, with the price fractionally dearer. OT is scarce, with the price firmly tained. JABORANDI is now in poor ty, but the value is unchanged. BARB is exceedingly difficult to find, prices are nominal. Some inquiry is l for SEEDS, but offers are generally cted. As noted last week, Portuguese LL is substantially dearer, while Indian noted at a lower price. A further nce is recorded for TURMERIC. Avail- supplies of VALERIAN ROOT appear to khausted.

ntial Oils

ese markets are quiet, and prices show hange on the week. ANISE (STAR) in d hands shows no alteration on the nentioned price. Java CITRONELLA nues in poor supply, but the price is anged. English distillers' prices for E and NUTMEG are steady.

'harmaceutical Chemicals

LOBARBITONE.—Makers' price is unchanged s. per lb.

PIRIN.—Demand continues fair. Prices, in tities of 28 lb. to 1 cwt. (containers in kets), are as follows: 4s. (1-lb.); 3s. 10½d.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); ½d. (28-lb.).

ROPINE.—Makers' quotations are steady at ollowing rates per oz.: ALKALOID, B.P.— , 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SUL- E, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz., METHYL BROMIDE and METHYL NITRATE, , 65s.

BARIUM SULPHATE (*x*-RAY).—Quoted at the following rates per lb., in quantities of 28 lb.–1 cwt. (containers in brackets): 1s. 5½d. (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); 1s. 2d. (28-lb.).

BORAX.—Makers' current rates are unchanged: B.P. quality, granulated, £42 per ton; crystal, £43; powder, £43 10s. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE. —Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CAFFEINE.—Quantities of 7-lb.-28 lb. are quoted per lb. as follows (supplies subject to D.M.S. approval): ALKALOID, B.P., 34s.; CITRATE, 23s.; SODIUM BENZOATE, 23s.; SODIUM SALICYLATE, 23s. 9d. Tins extra when supplied.

CALAMINE, B.P.C.—Current prices are as follows: 7-lb. lots, 1s. 8d. per lb.; 28-lb. lots, 1s. 6d.

CITRATES.—Makers quote POTASSIUM per lb., in 28-lb.–1 cwt. lots, as follows (containers in brackets): 3s. 3½d. (1-lb.); 3s. 2d. (4-lb.); 3s. 1d. (7-lb.); 3s. 0½d. (14-lb.); 3s. (28-lb.); IRON AND AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below these prices; POTASSIUM and SODIUM POWDER, 1d. per lb. extra.

DIAMORPHINE.—Current rates per oz., for small quantities, are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE. —½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

SANTONIN.—Home trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2–4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

Crude Drugs

AGAR.—Position unchanged, with small sales at controlled prices.

ALOES.—A few cases of Curaçao are reported available at 310s. per cwt. Offers of Cape are quickly taken up when available.

ARECA NUTS.—Wormy Ceylon is quoted by dealers at 90s. per cwt.

BALSAMS.—Unchanged. *Peru* is at 7s. 9d. per lb., duty paid, and *Canada* at 9s. 9d. *Copaiba* and *Tolu* are unobtainable.

BELLADONNA.—Indian leaf is quoted on spot at 6s. 1d. to 6s. 3d. per lb., according to alkaloidal content. Supplies of root are small.

BENZOIN.—Stocks practically exhausted, with high prices asked for remaining supplies.

BUCHU LEAVES.—New crop should be available at 5s. 3d. per lb., landed.

CARDAMOMS.—Current spot prices are as follows: Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, in tins in cases, 1s. 9d. per lb.

CHILLIES.—Mombasa is quoted at 110s. per cwt.; no other varieties are available at present.

CLOVES.—Spot price is fractionally dearer at 1s. 5d. per lb. for Zanzibar.

COCOA BUTTER.—Price is fixed at 1s. 5½d. per lb., ex factory or warehouse, except for sales made under Ministry of Food licence.

COCONUT (DESICCATED).—Controlled price is unchanged at 49s. per cwt.

COLOCYNTH.—Fair white pulp is available on spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Both Portuguese and English leaves are steady and unchanged at 140s. per cwt., and 2s. 6d. per lb., respectively.

ERGOT.—In poor supply with the price firm. Any available stocks of good-quality material would be worth 6s. 6d. per lb.

GUM ACACIA.—Prices firm and unchanged. Kordofan cleaned sorts, spot, 80s. per cwt.; bleached, spot, 185s.; Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian, 250s. per cwt.; Russian, 350s.; Egyptian (*muticus*), 75s.

JABORANDI.—In diminished supply at 62s. 6d. per cwt., spot.

JALAP.—Spot prices for 12·7 per cent. resin and 11 per cent. resin are 5s. per lb. and 4s. 3d. per lb., respectively.

KAMALA.—Material producing 6 per cent. ash would be worth 2s. 6d. per lb.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and re-distilled grades.

MYRRH.—Good-quality Aden sorts, £20 per cwt.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 8d. per lb.; sound unassorted, 1s. 11d.

NUX VOMICA.—Cochin, spot, 37s. 6d. per c shipment, 31s. 6d., c.i.f.

PAPAIN.—Good-testing but dark Ceylon be obtained on spot at 7s. 6d. per lb.

PIMENTO.—Spot sellers at 1s. 3d. per lb.

QUASSIA.—Spot, 37s. 6d. to 40s. per according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, per cwt.; natural, 80s.; shipment, 65s., c.

RHUBARB.—Supplies are difficult to price nominal at 14s. per lb. Some Si irregular shapes may be obtained at 14s. 6

SEEDS.—In slight inquiry, but little bus passing. Current rates are as follows: Cor DER.—Practically no supplies available; nominal at 85s. per cwt. CUMIN.—Mal spot, 110s.; Indian, 100s. DILL.—80s., wharf. FENNEL.—Offered at 85s. FENUGR —May be had at 80s. MUSTARD.—Contr prices are unchanged.

SENNA.—Alexandrian medium pods ar 4s. per lb.; Tinnevelly, manufacturing gr 6d. to 6½d.; hand-picked, 8½d. to 1s.; br Alexandrian leaves, 1s. 3d. to 1s. 4d.; sift 1s. 2d.; Tinnevelly, No. 1, 9d. to 10½d.; N 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Indian, dried and sliced, 40s 45s. per cwt., as to quality. Portuguese, 87s

STRAMONIUM LEAVES.—East Indian le may be obtained on spot at 80s. per cwt.

STROPHANTHUS SEED.—Spot price of 100 cent. Kombé seed is steady at 7s. to 7s. 6d. lb., according to quantity.

TRAGACANTH.—Medium grades are quote follows: No. 1, white, £130 per cwt.; N white, £115; No. 3, white, £100; No. 4, wl £85; pale leaf, £60; amber leaf, £50; amber, £40; brown leaf, £30; red-and-br leaf, £25; red leaf, from £20; hoggy, £12 to

TURMERIC.—Madras finger, sound-quali now quoted at 70s. per cwt.

WAXES.—BEES'.—Supplies continue to available only through members of the Asso tion of Merchant-Distributors of Beeswax, L at the following prices per cwt., delivere store U.K., effective October 16, 1944, for lots: Madagascar crude, 205s. to 230s.; o sorts of crude, 238s. to 245s. (Calcutta s unavailable); British refined, 275s. to 30 British bleached slabs, 300s.; British bleac discs, 320s.; Lots of under one ton, at premi as follows: 10–20 cwt., 2s. 6d. per cwt.; 5 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; un 1 cwt., at premiums as arranged by Associat members at their discretion. CARNAUB Fatty grey, 500s. per cwt., ex store, in minim one-bag lots; shipment, 395s., c.i.f.; Prime 535s. per cwt., ex store; shipment, 450s., c. medium yellow, nominal; shipment, 440s., c. chalky grey, 475s.; shipment, 385s., c (c.i.f. prices include ½ per cent. W.R.I.). C DELILLA.—Under 1 ton, 220s. per cwt.; tons, 218s. 6d.; 5 tons and over, 217s. 6d., store. OURICURI.—Spot, 325s. per cwt.; s ment, 282s. 6d., c.i.f.

sential and Expressed Oils

ISE (STAR).—Unchanged, with small sup- in second hands offering at 160s. per lb.

STOR.—"Firsts" are officially quoted at er ton, and "seconds" at £80, both naked orks, in bulk lots.

TRONELLA.—Java, scarce at approximately 5d. per lb.; Ceylon, about 21s. per lb.

OVE.—In fair demand following the change nglish distillers' prices of from 12s. 6d. to per lb., according to quantity.

TTONSEED.—Controlled prices for bulk ies are as follows: Crude, £52 2s. 6d.; ed, £55 5s.; refined edible, £57; refined orised, £58 per ton; all varieties quoted l ex works.

CALYPTUS.—For oil containing 70 to 75 ent. cineole, about 8s. 6d. per lb.

NGERGRASS.—Spot, about 22s. 6d. per lb.

TMEG.—English distillers' quotations are y at 35s. per lb. for oil from West Indian rial.

IVE (EDIBLE).—The price charged to the saler by the importer is 25s. 9d. per gallon, tore. Prices charged by wholesalers to ers are agreed by the Ministry of Food as vs: 33s. 6d. per gallon, in 1-gallon loan 34s. 3d. per gallon, in ½-gallon loan cans; per gallon, in 1-quart loan cans; 36s. per n, in 1-pint loan cans.

PESEED.—Official quotation is unchanged 8 per ton, naked ex works.

ntial Oils Control

following is a schedule of prices to users iginal packages for oils imported by the stry of Food:—

asil	25s. 8d., plus duty, 2s. 3d.
rgamot	23s. 10½d.
mphor	2s.
raway	20s. 9½d., plus duty, 1s. 10d.
darwood	3s. 8½d., plus duty, 3¾d.
ary sage	129s. 1½d., plus duty, 11s. 6d.
riander	128s. 10d., plus duty, 11s. 6d.
nnel	11s. 6d., plus duty, 1s.
mon, cold-pressed, or Sicilian	17s. 4½d.
mon, distilled ..	11s. 9d.
ne	47s.
utmeg	22s. 8d., plus duty, 2s.
ange, bitter ..	18s. 6½d., plus duty, 1s. 7½d.
ange, West African	10s. 3d., plus duty, 10½d.
ppermint	37s.
ngerine	33s.
tivert	38s. 4d., plus duty, 3s. 5d.
ormseed	15s. 3½d.
ang-ylang	15s. 6½d., plus duty, 1s. 4d.

EMPIRE AND FOREIGN NEWS

U.S.S.R. Penicillin Factory.—A penicillin factory, the first in the Soviet Union, was opened recently in Moscow.

Potash from Spain.—According to a Reuter report, the first British vessel to enter Barcelona harbour since the war resailed with a cargo of potash.

Southern Rhodesian Import Certificates.—United Kingdom exporters who hold Southern Rhodesian essentiality certificates that are no longer valid, and which cover goods not now requiring Board of Trade export licences, may have their certificates revalidated. When revalidation is required for goods liable to export licences the importer must continue to approach the Department of Supply in the Colony.

Medical Supplies for Czechoslovakia.—Eighty crates of medical supplies provided by U.N.R.R.A. are being flown from Britain to Moscow on the first stage of their journey to liberated Czechoslovak territory, where the health position is stated to be more serious than was expected, with an immediate danger of famine. A much larger consignment will shortly go by the sea route via a Russian port, and arrangements are being made to follow this with further shipments from Britain and the United States.

Anglo-Egyptian Trade.—Following a preliminary agreement between Britain and Egypt on financial and economic matters, which has been concluded in co-operation with American authorities, increased imports and greater freedom of trade between the two countries are expected during 1945. It is understood that British imports will be doubled during the year, and that many controls will be lifted, leaving only such as affect a small number of commodities which make heavy calls on shipping, such as cereals and fertilisers.

Indian Industrial Policy.—The Secretary of State for India (Mr. L. S. Amery), in an address to the East India Association in London recently, said that, so far as the Government of Britain was concerned, it wanted to see Indian industry developed to the full. The last thing British industrialists had in mind was the idea that British export industry could prosper by holding back India's industrial development. Collaboration now being sought in the scientific field would yield practical results, and might well lead to collaboration in other fields.

TRADE MARKS

(*From "The Trade Marks Journal," January* 3)

"KROY"; for chemical soot destroyers (1). By Meuko Manufacturing Co., Ltd., 65A St. George's Road, Dorchester. 629,664.

"PLUS"; for agricultural and horticultural chemicals (other than insecticides, etc.); manures (1). By Plant Protection, Ltd., Yalding, Kent. 630,678.

"Q-ZONE" (letter "Q" disclaimed); for laundry bleaching preparations (3); and "GREEN-TREES"; for disinfectants (5). By Prepac Chemicals, Ltd., 23 High Street, Cardiff. 628,746 and 628,492.

"COMAC"; for soaps (3). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted, Herts. 630,290.

"LAMAUR," "NEVELON," and "OLDWAYS"; for perfumes, cosmetics, toilet preparations, and sachets for use in waving the hair (3). By Lennard, Lee-Narvill & Co., Ltd., 216 Anlaby Road, Hull. 650,579–81–82.

"VENUSANE"; for hair dye (3). By M. Paillard, 14 Buckingham Palace Road, London, S.W.1. 630,712.

"MOONDEW"; "MOON-KIST," "MOONMYST"; for bath salts (not medicated) for toilet purposes (3). By Stablond Laboratories, Ltd., 128–34 Baker Street, London, W.1. 630,791, 630,881–82 (All Associated).

"MAGTRIZOL"; for pharmaceutical preparations of magnesium compounds and oil (5). By Westminster Laboratories, Ltd., 5 Chancery Lane, London, W.C.2. 630,883 (Associated).

"VIVOS"; for veterinary preparations for the treatment of ailments in horses and cattle (5). By William E. Smith (Vet. Medicines), Ltd., 23 Trenchard Street, Bristol, 1. 631,030.

"ACNOLENE"; for all goods (5). By Ashe Laboratories, Ltd., 120–22 Victoria Street, London, S.W.1. 631,436.

"OMNISEPTINE"; for pharmaceutical preparations (5). By Camden Chemical Co., Ltd., Northington Street, London, W.C.1. 631,440.

"PROTEX" and "VEGACO"; for medicated toilet paper (5). By H. Wesley, Ltd., Harlesden Stationery Mills, Acton Lane, Harlesden, London, N.W.10. 631,448–50.

"EXA"; for hair curlers, hair pins, etc. (26). By Combex, Ltd., Kent House, Market Place, London, W.1. B629,738.

(*From "The Trade Marks Journal," January* 10)

"MEEDO"; for horticultural chemicals (other than insecticides, etc.) (1). By Pearson's Antiseptic Co., Ltd., 172 Buckingham Palace Road, London, S.W.1. B630,095 (Associated).

"ESSONIA"; for laundry bleaching preparations, soaps, essential oils (3); flavourings for food, containing essential oils (30). By Walford & Co., Ltd., Heath Street, Newton Heath, Manchester, 10. 630, 584–85 (both Associated).

"OSOSUDS"; for water softening preparations (1). By Osogood, Ltd., Fruit Exchange, Victoria Street, Liverpool, 2. 630,475.

CORRESPONDENCE

Dilutions of Dangerous Drug

SIR,—I understand the purpose of th agraph of the Dangerous Drugs Act, to be to guard against weak soluti morphine, etc., being obtained too e However, if a solution under one-fift cent. morphine in an inert substance a solution of cocaine of under one- per cent. in an inert substance, were m it would seem that two D.D.A. solu would become one exempt solution. S as I can make out from the regulatio morphine would exempt the cocaine vice versa. Surely this defeats the pu of the paragraph?—Yours faithfully,

Sunderland. THOMAS E. B. WARD

An Ulster View of the J.I.C. Agree

SIR,—My committee views with favour the recent announcement c agreed wage scale by the National Industrial Council for Retail Pharma it is felt that the minimum wages fixe too low for a profession as indispensal our members feel ourselves to be. I u stand it has been the object for some of both the English and Irish bodies to the status of pharmacy if possible, a cannot see how an inadequate salary is going to help towards realising objective, or attract to the ranks of macy men of ability and intelligence, anyone possessing that latter quality hesitate to commit himself to a profe demanding so much study for the rev outlined in the scale. It is also a disc ing thought that it was necessary to in a clause for the benefit of pharm who are unable to pay these inade sums. Surely something is wrong wit business concerned, or the J.I.C. tal pessimistic view of the chemists' part i "brave new world" which is to follo present conflict. I would like to know were the representatives of the empl and for what body they were acting, cannot imagine that employee pharm in England will consider this satisfacto

W. H. BOYD, *Chairm*

Belfast. Ulster Chemists' Associa Associates' Section.

CLOSED ON SATURDAYS.—Advertisers subscribers are reminded that owing to conditions the Head Office of THE CH AND DRUGGIST, 28 Essex Street, London, W is closed on Saturdays until further n Urgent instructions relating to advertisin subscriptions should be sent to the *C.* & 17 Argyle Street, Bath, Somerset.

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Knowledge of the great nutritive value of cod liver oil is spreading rapidly. Already more people are taking cod liver oil regularly than ever before, and the demand increases month by month — proof positive of the wide influence of SevenSeaS advertising.

This winter new, humanly-presented advertising is appearing in national dailies, local papers and all the most widely read women's magazines, religious, medical and educational journals. A still wider public will realise that this highly concentrated food, considered so important for under-fives, because of its richness in vitamins A and D, also helps over-fives and adolescents to develop healthy bodies capable of resisting infection. More adults will discover what a fine antidote it is to fatigue and the common cold. Display SevenSeaS in your window and on your counter. The more you remind your customers that you stock this well-advertised product, the bigger your share of the rapidly rising sales.

There's no hold-up on supplies of bottled oil and orders can be despatched without delay. Government priorities restrict the manufacture of capsules, but available supplies are distributed as fairly as possible through wholesalers.

STANDARD OIL: Vitamin A 20,000 *I.U.; Vitamin D* 2,500 *I.U. per ounce.*
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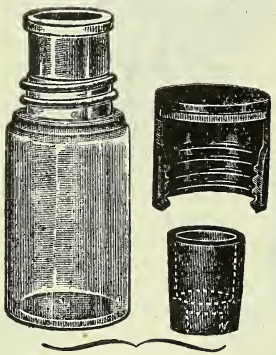

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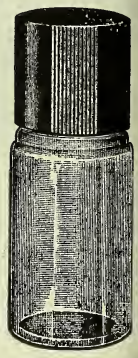

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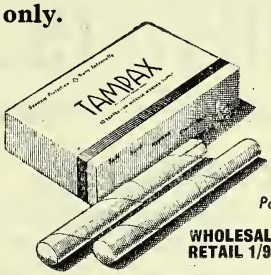

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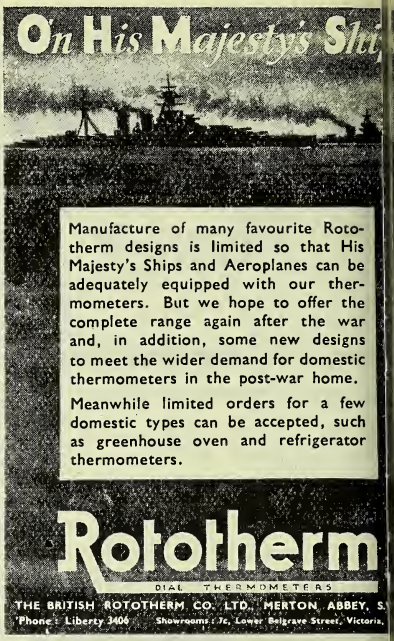

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JANUARY 27 1945

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